



**RANDOX**  
BIOSCIENCES

LIFE SCIENCES

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# OUR CAPABILITIES

Radox Biosciences have been developing and manufacturing antibodies, proteins and conjugates for over 40 years for use in Radox Laboratories diagnostic kits and for supply to diagnostic kit manufacturers.

We are able to offer a world class service meeting all customer requirements including custom developments upon request. Our scientists have the ability to design, develop and manufacture novel monoclonal, polyclonal and recombinant antibodies and proteins. Radox Biosciences can also provide a tailor-made service to meet your specifications in both a timely and cost-effective manner.

# POLYCLONAL ANTIBODIES

Randox Biosciences offer an extensive portfolio primary antibody products against biochemical markers, drugs of abuse and drug residues for use in both research and pharmaceutical development. Randox use sheep as the host species for polyclonal antibody production, resulting in highly specific and sensitive antibodies for use in a wide range of applications.

Our polyclonal antibodies are available in a range of pack sizes of 1 mg, 10 mg and 0.5 mg increments, including bulk quantities for commercial development. Additionally, matching HRP conjugates are available for all small molecule antibodies.

## GENERAL POLYCLONAL SPECIFICATION

<b>HOST</b>	Sheep
<b>FORMAT</b>	Ig fraction prepared by caprylic acid and ammonium sulphate precipitation procedures
<b>pH</b>	7.2
<b>BUFFER</b>	20 mM phosphate, 150 mM sodium chloride
<b>PRESERVATIVE</b>	0.09% Sodium Azide
<b>STORAGE</b>	Short Term: 4 °C Long Term: -20 °C

## DRUGS OF ABUSE



## ALCOHOL

PRODUCT NAME	IMMUNOGEN	CAT. NO
Ethyl Glucuronide	Ethyl Glucuronide-BTG	PAS10109

## ANALGESICS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Tilidine	Tilidine-BTG	PAS10370
Salicylate	Salicylic Acid-BTG	PAS10155

## ANTIDEPRESSANTS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Desipramine	Desipramine-BTG	PAS9897
Escitalopram	Escitalopram-BTG	PAS10023
Norecitalopram	Norecitalopram-BTG	PAS10021
Norfluoxetine	Norfluoxetine-BTG	PAS10027
Norsertaline	Norsertaline-BTG	PAS10128
Trazodone	Trazodone-BTG	PAS10005
Trazodone	Trazodone-BTG	PAS10007
TCA- Amitriptyline	Amitriptyline-BTG	PAS9435
TCA- Imipramine	Imipramine-BTG	PAS9439
Venlafaxine	Venlafaxine-BTG	PAS10350
Tricyclic Antidepressants (TCA) (4)	Nortriptyline-BTG	PAS9441

## BARBITURATES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Cyclopentobarbital	Cyclopentobarbital-BSA	PAS9644
Secobarbital	Secobarbital-BSA	PAS9643
Secobarbital	Secobarbital-BTG	PAS9729
Phenobarbital	Phenobarbital-BTG	PAS10354

## BENZODIAZEPINES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Diazepam/ Nordiazepam	Nordiazepam-BSA	PAS9705
Lorazepam	Lorazepam-BSA/KLH	PAS10220
Nitrazepam	Nitrazepam-BSA	PAS9763

## BENZODIAZEPINES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Nitrazepam	Nitrazepam-BSA	PAS10019
Oxazepam	Oxazepam-BTG	PAS10082
Oxazepam	Oxazepam-BSA/KLH	PAS10204
Temazepam	Temazepam-BSA	PAS9743

## HALLUCINOGENS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Carboxymethyl LSD	Carboxymethyl LSD-BTG	PAS10084
Demethyl Salvinorin	Demethyl Salvinorin-BSA	PAS10076
Dextromethorphan	Dextromethorphan-BTG	PAS10134
EPI-Demethyl Salvinorin	EPI-Demethyl Salvinorin-BTG	PAS10140
Lysergic Acid Diethylamide (LSD)	LSD-BSA	PAS9807
Lysergic Acid Diethylamide/ Nor-Lysergic Acid Diethylamide (LSD)	LSD-BSA	PAS9808
Lysergic Acid Diethylamide (LSD)	LSD-BTG	PAS9791
Phencyclidine (piperidyl,4)	PCP(piperidyl-4)-BSA	PAS9714
Phencyclidine (m/p)-linker	PCP(m/p)-linker-BSA	PAS9715
Phencyclidine (m/p)	PCP(m/p)-BSA	PAS9716
Phencyclidine (Cyclohexyl,4)	PCP(cyclohexyl-4)-BSA	PAS9717
Tetrahydrocannabinol (THC)	$\delta$ 9-THC-COOH-BSA	PAS9750
Tetrahydrocannabinol (THC)	$\delta$ 8-THC-COOH-BSA	PAS9751
Tetrahydrocannabinol (THC)	THC-BSA	PAS9752

## HALLUCINOGENS &amp; THERAPEUTIC DRUGS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Dehydronorketamine	Dehydronorketamine-BTG	PAS10157
Ketamine	Ketamine-BTG	PAS10165
Ketamine	Ketamine-BSA	PAS10328

## DRUGS OF ABUSE



## HALLUCINOGENS &amp; OPIATE

PRODUCT NAME	IMMUNOGEN	CAT. NO
Salvinorin	Salvinorin-BTG	PAS9991

## HALLUCINOGEN &amp; SYNTHETIC DRUG

PRODUCT NAME	IMMUNOGEN	CAT. NO
Mescaline	Mescaline-BTG	PAS9997

## OPIATES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Naltrexone	Naltrexone-BTG	PAS10011
Norfentanyl	Norfentanyl-BTG	PAS10072
Morphine-6-Hemisuccinate	Morphine-6-Hemisuccinate-BTG	PAS10124
Heroin	Heroin-BTG	PAS10132
Norfentanyl	Norfentanyl-BTG	PAS10202
Fentanyl	Fentanyl-BTG	PAS10248
Tramadol	Desmethyl Tramadol-BTG	PAS9292
Tramadol	Desmethyltramadol-BTG	PAS9293
Buprenorphine	Buprenorphine-BSA	PAS9679
Codeine	Codeine-BSA	PAS9685
Fentanyl	Fentanyl-BSA	PAS9695
Morphine	Morphine-BSA	PAS9701
Morphine	Morphine-BSA	PAS9702
Oxycodone (N)	Oxycodone-BSA	PAS9713
Propoxyphene	Propoxyphene-BSA	PAS9722
Hydromorphone	Hydromorphone-BTG	PAS9771
Hydrocodone	Hydrocodone-BTG	PAS9790
Methadone	Methadone-BSA	PAS9794
Methadone	Methadol-BSA	PAS9795
Levo-Alpha-Acetylmethadol (LAAM)	LAAM-BSA	PAS9804
Buprenorphine/Norbuprenorphine	Norbuprenorphine-BTG	PAS9857

## SEDATIVES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Meprobamate	Meprobamate-BTG	PAS10015
Chlorpromazine	Chlorpromazine-BTG	PAS10017
Acepromazine	Acepromazine-BTG	PAS10041
Urochloralic Acid	Urochloralic Acid-BTG	PAS10070
Zolpidem	Zolpidem-BTG	PAS10111
Zopiclone	Zopiclone-BTG/BSA	PAS10113
Haloperidol	Haloperidol-BTG	PAS10126
Azaperone	Azaperone-BTG	PAS10142
Lidocaine	Lidocaine-BTG	PAS10178
Lidocaine	Lidocaine-BTG	PAS10238
Methaqualone	Methaqualone-BSA	PAS9699
Methaqualone	Methaqualone-BSA	PAS9800
Methaqualone	Methaqualone-BSA	PAS9801
Zaleplon	Zaleplon-BTG	PAS9999

## STIMULANTS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Methamphetamine	Methamphetamine-BAG-BTG	PAS10037
Cocaine	Cocaine-BTG	PAS10174
MDMA	MDMA-BTG	PAS10240
Methylphenidate	Methylphenidate-BTG	PAS10250
Methamphetamine	Methamphetamine-BTG	PAS10395
MDMA	MDMA-BSA	PAS9809
Normeperidine	Meperidine-BTG	PAS9860

## SYNTHETIC DRUG

PRODUCT NAME	IMMUNOGEN	CAT. NO
JWH-018 (SPICE)	JWH-018-BTG	PAS10170
JWH-018 (SPICE)	JWH-018-BTG	PAS10172
Methcathinone	Methcathinone-BSA	PAS10190
MDPV	MDPV-BSA/BTG	PAS10348

## DRUGS OF ABUSE



## THERAPEUTIC DRUG

PRODUCT NAME	IMMUNOGEN	CAT. NO
Methotrexate	Methotrexate-BSA	PAS10029
Digoxin	Digoxin-BTG	PAS10043
Carbamazepine	Carbamazepine-BTG	PAS10123
Carbamazepine	Carbamazepine-BTG	PAS10130
Theophylline	Theophylline-BTG	PAS10196
Warfarin	Warfarin-BTG	PAS10222
Procainamide	Procainamide-BSA	PAS10261
Quinidine	Quinidine-BTG	PAS10352
Mycophenolic Acid	Mycophenolic-BTG	PAS9877
Phenytoin	Phenytoin-BTG	PAS9889
Digoxigenin	Digoxigenin-BTG	PAS9915

## GENERAL

PRODUCT NAME	IMMUNOGEN	CAT. NO
Hydroxyindole Acetic Acid	Hydroxyindole Acetic Acid-BTG	PAS10074
Creatinine Acid	Creatinine-BTG	PAS10078
Cotinine	Cotinine-BTG	PAS10080

## DRUG RESIDUES



## ANTI-INFLAMMATORY DRUGS

## NSAIDS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Desmethylnaproxen	Desmethylnaproxen-BTG	PAS10136
Ibuprofen	Ibuprofen-BTG	PAS10330
Dipyron	Dipyron-BTG	PAS9296
Oxyphenbutazone	Oxyphenbutazone-BTG	PAS9297
Meloxicam	Meloxicam-BTG	PAS9443
Kebuzone	Oxyphenbutazone-BTG	PAS9654

## NSAIDS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Flunixin	Flunixin-BSA/BTG	10009
Flunixin	Flunixin-BTG	PAS9697
Ketoprofen	Ketoprofen-BTG	PAS9772
Etodolac	Etodolac-BTG	PAS9788
Tolfenamic Acid	Tolfenamic Acid-BTG	PAS9865

## NSAIDS &amp; SYNTHETIC ANDROGEN

PRODUCT NAME	IMMUNOGEN	CAT. NO
Methylprednisolone	Methylprednisolone-BTG	PAS9445

## ANTIMICROBIAL DRUGS

## AMINOGLYCOSIDES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Spectinomycin	Spectinomycin-BSA	PAS10176
Avilamycin	Avilamycin-BSA	PAS10226
Gentamycin	Gentamycin-BSA	PAS10234
Hygromycin B	Hygromycin B-BSA	PAS10332
Gentamycin	Gentamycin-BTG	PAS9652
Spiramycin	Spiramycin-BTG	PAS9653
Neomycin	Neomycin-BTG	PAS9704
Streptomycin	Streptomycin-BSA	PAS9730
Kanamycin	Kanamycin-BTG	PAS9803
Pirlimycin	Pirlimycin-BTG	PAS9866
Amikacin	Amikacin-BTG	PAS9913

## B-LACTAMS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Dicloxacillin	Dicloxacillin-BSA	PAS10214

## DRUG RESIDUES



## CARBADOX/QCA

PRODUCT NAME	IMMUNOGEN	CAT. NO
Olaquinox-BTG	Olaquinox-BTG	PAS10168
Olaquinox-BSA	Olaquinox-BSA	PAS10180
Carbadox-BTG	Carbadox-BTG	PAS9778

## CEPHALOSPORINS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Cephalexin	Cephalexin-BSA	PAS10308

## DYES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Leucomalachite Green	Leucomalachite Green-BTG	PAS9805

## IMIDAZOLES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Ronidazole	Ronidazole-KLH	PAS10344
Ronidazole	Ronidazole-BTG	PAS9647

## MACROLIDES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Tylosin/Tilmicosin	Tylosin-BSA	PAS9758
Tacrolimus	Tacrolimus-BTG	PAS9873
Tacrolimus	Tacrolimus-BTG	PAS9875
Erythromycin	Erythromycin-BSA/BTG	PAS10210
Sirolimus	Sirolimus-BTG	PAS10254
Desmicosin	Desmicosin-BTG	PAS10334

## NITROFURANS

PRODUCT NAME	IMMUNOGEN	CAT. NO
AHD	Aminohydantoin-BSA	PAS9650
SEM	SEM-BTG	PAS9651
AMOZ	AMOZ-BTG	PAS9995

## PHENICOLS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Chloramphenicol	Chloramphenicol-BTG	PAS10031
Chloramphenicol	Chloramphenicol- BTG	PAS9681
Thiamphenicol	Thiamphenicol-BTG	PAS9753
Florfenicol	Florfenicol-BTG	PAS9867

## PYRIMIDINES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Trimethoprim	Trimethoprim-BTG	PAS9646

## QUINOLONES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Nalidixic Acid	Nalidixic Acid-BTG	PAS9294
Oxolinic Acid	Oxolinic Acid-BTG	PAS9295
Flumequine	Flumequine-BTG	PAS9649

## STREPTOGRAMINS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Virginiamycin	Virginiamycin-BSA	PAS9759

## SULPHONAMIDES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Sulphaguanidine	Sulphaguanidine-BSA	PAS9736
Sulphamerazine	Sulphamerazine-BTG	PAS9737
Sulphanitran	Sulphanitran-BTG	PAS9862
Sulphaphenazole	Sulphaphenazole-BTG	PAS9864
Sulphabenzamide	Sulphabenzamide-BTG	PAS9868
Sulphatroxazole	Sulphatroxazole-BTG	PAS9887

## TETRACYCLINES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Tetracycline	Tetracycline-BTG	PAS9748



## DRUG RESIDUES



## ANTI - PARASITIC DRUGS

## ANTHELMINTICS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Thiabendazole	Thiabendazole-BSA/ BTG	PAS10192
Albendazole	Albendazole-BSA/BTG	PAS10219
Closantel	Closantel-BTG	PAS10230
Thiabendazole	Thiabendazole-BTG	PAS9298
Triclabendazole	Triclabendazole-BTG	PAS9453
Albendazole	Albendazole-BTG	PAS9768
Benzimidazole	Benzimidazole-BTG	PAS9869

## COCCIDOSTATS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Robenidine	Robenidine-BTG	PAS10216
Halofuginone	Halofuginone-BSA	PAS10236
Lasalocid	Lasalocid A-BTG	PAS9299
Monensin	Monensin Sodium Salt-BTG	PAS9336
Nicarbazin	Nitrobenzene-BTG	PAS9338
Toltrazuril	Toltrazuril-BTG	PAS9457
Maduramicin	Maduramicin BSA	PAS9773
Diclazuril	Diclazuril-BTG	PAS9781

## GROWTH PROMOTERS

## B-AGONIST

PRODUCT NAME	IMMUNOGEN	CAT. NO
Carazolol	Carazolol-BTG/BSA	PAS10244
Ritodrine	Ritodrine-BSA	PAS9339
Zilpaterol	Zilpaterol-BSA	PAS9340
Salmeterol	Salmeterol-BTG	PAS9459
Ractopamine	Ractopamine-BSA	PAS9724
Ractopamine	Ractopamine-BSA	PAS9725

## B-AGONIST

PRODUCT NAME	IMMUNOGEN	CAT. NO
Salbutamol	Salbutamol-BTG	PAS9727
Isoxsuprine	Isoxsuprine-BTG	PAS9802
Cimaterol	Cimaterol-BSA	PAS9870

## CORTICOSTEROIDS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Triamcinolone Acetonide	Triamcinolone Acetonide-BTG	PAS10138
Triamcinolone	Triamcinolone-BTG	PAS10246
Prednisolone	Prednisolone-BTG	PAS10256
Dexamethasone	Dexamethasone-BSA	PAS9688
Cortisol	Cortisol-BTG	PAS9780
Cortisone	Cortisone-BTG	PAS9885

## NATURAL STEROIDS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Estriol	Estriol-BTG	PAS10033
Epi-testosterone	Epi-testosterone- BTG	PAS10212
Dehydroepiandrosterone (DHEA)	DHEA-BTG	PAS10232
Estriol (6a)	Estriol-BTG	PAS9461
Estriol (6)	Estriol-BTG	PAS9463
17 $\alpha$ -Estradiol	17 $\alpha$ -Estradiol-BTG	PAS9668
17 $\beta$ -Testosterone	17 $\beta$ -Testosterone- BTG	PAS9669
17 $\alpha$ -Testosterone	17 $\alpha$ -Testosterone- BTG	PAS9670
Progesterone	Progesterone-BTG	PAS9671
Dehydroepiandrosterone (DHEA-17)	DHEA(17)-BTG	PAS9689
17 $\beta$ -Estradiol	Estradiol-Long linker-BSA	PAS9692
17 $\beta$ -Estradiol	Estradiol-Short linker-BSA	PAS9693
Progesterone	Progesterone-BSA	PAS9721

## DRUG RESIDUES



## NATURAL STEROIDS

PRODUCT NAME	IMMUNOGEN	CAT. NO
17 $\beta$ -Testosterone	Testosterone-Long spacer-BSA	PAS9744
17 $\beta$ -Testosterone	Testosterone-BSA	PAS9745
Testosterone	Testosterone-BSA	PAS9746
17 $\beta$ -Estradiol	17 $\beta$ -Estradiol-BSA	PAS9765
Androstenedione	Androstenedione-BTG	PAS9770
Dihydrotestosterone	Dihydrotestosterone-BTG	PAS9782
Epiandrosterone	Epiandrosterone-BTG	PAS9783
Androstenedione	Androstenedione-BTG	PAS9854
Dehydroepiandrosterone Sulphate (DHEA-S)	DHEA-S-BTG	PAS9856
Gestrinone	Gestrinone-BTG	PAS9879
Estriol	Estriol-BTG	PAS9880
17 $\alpha$ Hydroxyprogesterone	17 $\alpha$ -OH-Progesterone-BTG	PAS9882
17 $\alpha$ Hydroxyprogesterone	17 $\alpha$ -Hydroxy progesterone-BTG	PAS9975
Androstenedione	Androstenedione-BTG	PAS9977

## RESORCYCLIC ACID LACTONE

PRODUCT NAME	IMMUNOGEN	CAT. NO
Zeranol	Zearalanone-BTG	PAS9465

## STILBENES

PRODUCT NAME	IMMUNOGEN	CAT. NO
Diethylstilbestrol	Diethylstilbestrol-BTG	PAS10161
Dienestrol (p-OH)	Dienestrol (p-OH)-BTG	PAS9656
Diethylstilbestrol	DES-KLH	PAS9691

## SYNTHETIC ANDROGENS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Stanozolol	Stanozolol-BTG	PAS10035
Mestanolone	Mestanolone-BTG	PAS9467
Dehydromethyltestosterone	Dehydromethyltestosterone-BTG	PAS9657
Methandriol	Methandriol-BTG	PAS9658
Methyltestosterone	Methyltestosterone-BTG	PAS9659
Clostebol/4-Androsten-4-Chloro-3,17-Dione (CLAD)	CLAD-BTG	PAS9661
Clostebol	Clostebol-BTG	PAS9662
Methyltestosterone	17 $\beta$ Methylboldenone-BTG	PAS9663
Boldenone	Boldenone-BSA	PAS9676
17 $\alpha$ -Boldenone	17 $\alpha$ -Boldenone-BTG	PAS9677
17 $\beta$ -Boldenone	17 $\beta$ -Boldenone-BTG	PAS9678
17 $\alpha$ -Nortestosterone	17 $\alpha$ -19-Nortestosterone-BTG	PAS9707
17 $\beta$ -Nortestosterone	17 $\beta$ -19-Nortestosterone-BTG	PAS9708
17 $\alpha$ -Trenbolone	17 $\alpha$ -Trenbolone-BTG	PAS9755
17 $\beta$ -Trenbolone	17 $\beta$ -Trenbolone-BTG	PAS9756
Stanozolol	Stanozolol-BSA	PAS9762

## SYNTHETIC ESTROGEN

PRODUCT NAME	IMMUNOGEN	CAT. NO
Ethinylestradiol	Ethinylestradiol-BTG	PAS9666

## SYNTHETIC GESTAGENS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Megestrol	Megestrol-BTG	PAS9664
Melengestrol Acetate	Melengestrol Acetate-BTG	PAS9665
Chlormadinone Acetate	Chlormadinone Acetate-BTG	PAS9682
Megestrol Acetate	Megestrol Acetate-BTG	PAS9792
Medroxyprogesterone Acetate	Medroxyprogesterone Acetate-BTG	PAS9810

**MYCOTOXINS**

PRODUCT NAME	IMMUNOGEN	CAT. NO
Ochratoxin A	Ochratoxin A-KLH	PAS10373
Deoxynivalenol (DON)	Deoxynivalenol-BTG	PAS10379
3-Acetyl-DON	3-Acetyl-DON-KLH	PAS10381
Zearalenone	Zearalenone-BTG	PAS10383
Fumonisin	Fumonisin-KLH	PAS10385

**BIOCHEMICAL MARKERS**

PRODUCT NAME	IMMUNOGEN	CAT. NO
Cyclic AMP	Cyclic AMP-BSA	PAS9687

**GENERAL & BIOCHEMICAL MARKERS**

PRODUCT NAME	IMMUNOGEN	CAT. NO
Creatinine	Creatinine-BSA	PAS9686

**THERAPEUTIC DRUG & COCCIDIOSTAT**

PRODUCT NAME	IMMUNOGEN	CAT. NO
Salinomycin	Salinomycin- BTG	PAS10198
Salinomycin	Salinomycin- BTG	PAS10167

# MONOCLONAL ANTIBODIES

Randox Biosciences offer an extensive range of monoclonal antibodies products against biochemical markers, drugs of abuse and drug residues for use in both research and pharmaceutical development. Using sheep as the host species, Randox are able to offer an alternative to current monoclonal antibodies available on the market. Sheep monoclonal antibodies have been shown to have higher affinities than standard mouse monoclonal antibodies.

Our monoclonal antibodies are available in pack sizes of 100 µg and 1 mg Increments. Additionally, matching HRP conjugates are available for all small molecule antibodies.

## GENERAL MONOCLONAL SPECIFICATION

<b>HOST</b>	Sheep
<b>FORMAT</b>	Purified high affinity monoclonal Ab
<b>BUFFER</b>	PBS
<b>PRESERVATIVE</b>	0.09% Sodium Azide
<b>STORAGE</b>	2-8 °C
<b>METHOD OF PRODUCTION</b>	In Vitro Cell Culture using standard DMEM media supplemented with foetal bovine serum of USDA approved origin
<b>METHOD OF PURIFICATION</b>	Protein A Affinity Chromatography

## DRUGS OF ABUSE



### ALCOHOL

PRODUCT NAME	IMMUNOGEN	CAT. NO
Ethyl Glucuronide	ETG-BTG	MAB10324

### ANTIDEPRESSANTS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Tricyclic Antidepressants (TCA)	Nortriptyline-BTG	MAB9960

### BARBITURATE

PRODUCT NAME	IMMUNOGEN	CAT. NO
Secobarbital	Secobarbital-BTG	MAB10298

### HALLUCINOGEN

PRODUCT NAME	IMMUNOGEN	CAT. NO
Norketamine Clone ID: N5.7F6. B10.B6.B2	Norketamine-BTG	MAB9852

### STIMULANT

PRODUCT NAME	IMMUNOGEN	CAT. NO
Normeperidine Clone ID: NM4.3F5.C10. B7B2.B2.C4	Normeperidine-BTG	MAB9985

## DRUG RESIDUES



### ANTI-INFLAMMATORY DRUGS

#### NSAIDS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Methylprednisolone	Methylprednisolone-BTG	MAB10056

### ANTIMICROBIAL DRUGS

#### NITROFURANS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Tetracycline	Tetracycline(amide)-BSA	MAB9258

### GROWTH PROMOTERS

#### B-AGONIST

PRODUCT NAME	IMMUNOGEN	CAT. NO
Salbutamol	Salbutamol-BTG	MAB9901

#### CORTICOSTEROID

PRODUCT NAME	IMMUNOGEN	CAT. NO
Cortisol	Cortisol-BTG	MAB10292

#### NATURAL STEROIDS

PRODUCT NAME	IMMUNOGEN	CAT. NO
DHEA-S	DHEAS-BTG	MAB10294

#### SYNTHETIC ANDROGENS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Stilbene	Stilbene-BTG	MAB10302



## BIOCHEMICAL MARKERS

PRODUCT NAME	IMMUNOGEN	CAT. NO
Glutathione S-Transferase Omega 1 (GST-O1) Wild-type	wtGST Peptide-BTG	MAB10066
Glutathione S-Transferase Omega 1 (GST-O1) Mutant	wtGST Peptide-BTG	MAB10068
Apolipoprotein E4	Apolipoprotein E4	MAB10228
Anti-Cardiac Troponin I Antibody (Epitope 170-189)	Human Native cTnI (Cardiac Troponin I)	MAB10268
Anti-Cardiac Troponin I Antibody (Epitope 21-39)	Human Native cTnI (Cardiac Troponin I)	MAB10270
Anti-Cardiac Troponin I Antibody (Epitope 170-189)	Human Native cTnI (Cardiac Troponin I)	MAB10274
Anti-Cardiac Troponin I Antibody (Epitope 190-209)	Human Native cTnI (Cardiac Troponin I)	MAB10280
Anti-Cardiac Troponin I Antibody (Epitope 1-20)	Human Native cTnI (Cardiac Troponin I)	MAB10282

## BIOCHEMICAL MARKERS



PRODUCT NAME	IMMUNOGEN	CAT. NO
Anti-Cardiac Troponin I Antibody (Epitope 80-89)	Human Native cTnI (Cardiac Troponin I)	MAB10286
Interleukin 18 (IL-18)	Recombinant IL-18 Protein	MAB10440
Interleukin 18 (IL-18)	Recombinant IL-18 Protein	MAB10442
NGAL	Recombinant NGAL Protein	MAB10448
Thyroid Stimulating Hormone (TSH)	Recombinant Human TSH	MAB9930
Fatty Acid Binding Protein (FABP)	Recombinant Human FABP (3)	MAB9956
Fatty Acid Binding Protein (FABP)	Recombinant Human FABP (3)	MAB9958

# CONJUGATES

Randox's antigen-HRP conjugates are optimized for use with Randox polyclonal antibodies for the development of immunoassays. All HRP-conjugates are provided in a conjugate stabilising solution, specifically formulated in-house to prolong the shelf-life of newly conjugated material, enhancing the conjugate's overall performance and reliability within your immunoassay.

## DRUGS OF ABUSE



## ALCOHOL

PRODUCT NAME	CAT NUMBER	SIZE
Ethylglucuronide	HRP9531	0.5 ml

## ANALGESICS

PRODUCT NAME	CAT NUMBER	SIZE
Salicylic Acid	HRP9505	0.5 ml
Tilidine	HRP9706	0.5 ml

## ANTIDEPRESSANTS

PRODUCT NAME	CAT NUMBER	SIZE
Amitriptyline	HRP9386	0.5 ml
Desipramine	HRP9422	0.5 ml
Escitalopram	HRP9460	0.5 ml
Imipramine	HRP9388	0.5 ml
Norescitalopram	HRP9459	0.5 ml
Norfluoxetine	HRP9462	0.5 ml
Norsertaline	HRP9497	0.5 ml
Nortriptyline	HRP9389	0.5 ml
Trazodone	HRP9451	0.5 ml
Trazodone	HRP9452	0.5 ml
Venlafaxine	HRP9685	0.5 ml

## BARBITURATE

PRODUCT NAME	CAT NUMBER	SIZE
Secobarbital	HRP9672	0.5 ml
Phenobarbital (m/p)	HRP9670	0.5 ml
Cyclopentobarbital	HRP9299	0.5 ml

## BENZODIAZEPINES

PRODUCT NAME	CAT NUMBER	SIZE
Lorazepam	HRP9607	0.5 ml
Nitrazepam	HRP9458	0.5 ml
Oxazepam	HRP9479	0.5 ml
Oxazepam	HRP9661	0.5 ml

## HALLUCINOGENS

PRODUCT NAME	CAT NUMBER	SIZE
Carboxymethyl LSD	HRP9481	0.5 ml
D8-THC-COOH	HRP9320	0.5 ml
D9-THC-COOH	HRP9321	0.5 ml
Demethyl Salvinorin	HRP9480	0.5 ml
Dextromethorphan	HRP9500	0.5 ml
Epi-Demethyl Salvinorin	HRP9502	0.5 ml
LSD	HRP9298	0.5 ml
Lysergic Acid Diethylamide (LSD)	HRP9461	0.5 ml

## HALLUCINOGEN &amp; SYNTHETIC DRUG

PRODUCT NAME	CAT NUMBER	SIZE
Mescaline	HRP9447	0.5 ml

## HALLUCINOGENS &amp; THERAPEUTIC DRUGS

PRODUCT NAME	CAT NUMBER	SIZE
Dehydronorketamine	HRP9513	0.5 ml
Ketamine	HRP9518	0.5 ml
Ketamine	HRP9674	0.5 ml

## HALLUCINOGENS &amp; OPIATE

PRODUCT NAME	CAT NUMBER	SIZE
Salvinorin	HRP9471	0.5 ml

## OPIATES

PRODUCT NAME	CAT NUMBER	SIZE
Codeine	HRP9317	0.5 ml
Fentanyl	HRP9315	0.5 ml
Fentanyl	HRP9626	0.5 ml
Heroin	HRP9499	0.5 ml
Hydrocodone	HRP9301	0.5 ml
Hydromorphone	HRP9289	0.5 ml
Methadone	HRP9323	0.5 ml



## DRUGS OF ABUSE



### OPIATES

PRODUCT NAME	CAT NUMBER	SIZE
Morphine	HRP9656	0.5 ml
Morphine-6-Hemisuccinate	HRP9495	0.5 ml
Naltrexone	HRP9454	0.5 ml
Norbuprenorphine	HRP9403	0.5 ml
Norfentanyl	HRP9475	0.5 ml
Norfentanyl	HRP9539	0.5 ml
Oxycodone	HRP9664	0.5 ml
Tramadol/ Desmethyltramadol	HRP9304	0.5 ml
Tramadol/Nortramadol	HRP9303	0.5 ml

### SEDATIVES

PRODUCT NAME	CAT NUMBER	SIZE
Acepromazine	HRP9469	0.5 ml
Azaperone	HRP9503	0.5 ml
Chlorpromazine	HRP9457	0.5 ml
Haloperidol	HRP9496	0.5 ml
Lidocaine	HRP9526	0.5 ml
Lidocaine	HRP9620	0.5 ml
Meprobamate	HRP9456	0.5 ml
Urochloralic Acid	HRP9474	0.5 ml
Zaleplon	HRP9448	0.5 ml
Zolpidem	HRP9508	0.5 ml
Zolpidem	HRP9509	0.5 ml
Zopiclone	HRP9506	0.5 ml

### STIMULANTS

PRODUCT NAME	CAT NUMBER	SIZE
Cocaine	HRP9335	0.5 ml
Cocaine	HRP9524	0.5 ml
Cocaine/ Benzoyllecgonine	HRP9336	0.5 ml
MDMA	HRP9621	0.5 ml

### STIMULANTS

PRODUCT NAME	CAT NUMBER	SIZE
Meperidine	HRP9302	0.5 ml
Methamphetamine	HRP9467	0.5 ml
Methamphetamine	HRP9720	0.5 ml
Methylphenidate	HRP9627	0.5 ml

### SYNTHETIC DRUGS

PRODUCT NAME	CAT NUMBER	SIZE
JWH-018	HRP9522	0.5 ml
JWH-018	HRP9523	0.5 ml
MDPV	HRP9684	0.5 ml
Methcathinone	HRP9535	0.5 ml

### THERAPEUTIC DRUGS

PRODUCT NAME	CAT NUMBER	SIZE
Carbamazepine	HRP9498	0.5 ml
Carbamazepine	HRP9511	0.5 ml
Digoxigenin	HRP9431	0.5 ml
Digoxin	HRP9470	0.5 ml
Methotrexate	HRP9463	0.5 ml
Mycophenolic Acid	HRP9432	0.5 ml
Phenytoin	HRP9418	0.5 ml
Procainamide	HRP9638	0.5 ml
Quinidine	HRP9686	0.5 ml
Theophylline	HRP9537	0.5 ml
Warfarin	HRP9608	0.5 ml

### GENERAL

PRODUCT NAME	CAT NUMBER	SIZE
5-Hydroxyindole Acetic Acid	HRP9476	0.5 ml
Cotinine	HRP9478	0.5 ml

## DRUG RESIDUES



## ANTI-INFLAMMATORY DRUGS

## NSAIDS

PRODUCT NAME	CAT NUMBER	SIZE
Desmethylnaproxen	HRP9517	0.5 ml
Dipyron	HRP9285	0.5 ml
Etodolac	HRP9342	0.5 ml
Flunixin(COOH)	HRP9341	0.5 ml
Ibuprofen	HRP9675	0.5 ml
Kebuzone	HRP9345	0.5 ml
Ketoprofen	HRP9343	0.5 ml
Meloxicam	HRP9390	0.5 ml
Oxyphenbutazone	HRP9344	0.5 ml
Tolfenamic Acid	HRP9405	0.5 ml

## NSAIDS &amp; SYNTHETIC ANDROGEN

PRODUCT NAME	CAT NUMBER	SIZE
Methylprednisolone	HRP9391	0.5 ml

## ANTIMICROBIAL DRUGS

## AMINOGLYCOSIDES

PRODUCT NAME	CAT NUMBER	SIZE
Amikacin	HRP9430	0.5 ml
Avilamycin	HRP9615	0.5 ml
Gentamycin	HRP9609	0.5 ml
Hygromycin B	HRP9676	0.5 ml
Kanamycin	HRP9222	0.5 ml
Neomycin	HRP9225	0.5 ml
Pirlimycin	HRP9406	0.5 ml
Spectinomycin	HRP9525	0.5 ml
Spiramycin/Jasamycin	HRP9227	0.5 ml
Streptomycin	HRP9338	0.5 ml
Streptomycin	HRP9455	0.5 ml

## B-LACTAMS

PRODUCT NAME	CAT NUMBER	SIZE
Dicloxycillin	HRP9603	0.5 ml

## CARBADOX/QCA

PRODUCT NAME	CAT NUMBER	SIZE
Carbadox	HRP9271	0.5 ml
Olaquinox	HRP9520	0.5 ml
Olaquinox	HRP9527	0.5 ml

## CEPHALOSPORINS

PRODUCT NAME	CAT NUMBER	SIZE
Cephalexin	HRP9642	0.5 ml

## DYES

PRODUCT NAME	CAT NUMBER	SIZE
Leucomalachite Green	HRP9267	0.5 ml

## IMIDAZOLES

PRODUCT NAME	CAT NUMBER	SIZE
Ronidazole	HRP9253	0.5 ml
Ronidazole	HRP9680	0.5 ml

## MACROLIDES

PRODUCT NAME	CAT NUMBER	SIZE
Desmycosin	HRP9677	0.5 ml
Erythromycin	HRP9601	0.5 ml
Sirolimus	HRP9679	0.5 ml
Tacrolimus	HRP9424	0.5 ml
Tacrolimus	HRP9425	0.5 ml
Tylosin/Tilmicosin	HRP9226	0.5 ml

## NITROFURANS

PRODUCT NAME	CAT NUMBER	SIZE
4-AHD (Aminohydantoin)	HRP9255	0.5 ml
4-AMOZ	HRP9355	0.5 ml
4-AOZ	HRP9354	0.5 ml
SEM	HRP9357	0.5 ml

## DRUG RESIDUES



## PHENICOLS

PRODUCT NAME	CAT NUMBER	SIZE
Chloramphenicol	HRP9263	0.5 ml
Florfenicol Amine	HRP9407	0.5 ml
Thiamphenicol/ Florenicol	HRP9276	0.5 ml

## PYRIMIDINES

PRODUCT NAME	CAT NUMBER	SIZE
Trimethoprim	HRP9294	0.5 ml

## QUINOLONES

PRODUCT NAME	CAT NUMBER	SIZE
Flumequine	HRP9254	0.5 ml
Nalidixic Acid	HRP9346	0.5 ml
Oxolinic Acid	HRP9296	0.5 ml

## STREPTOGRAMINS

PRODUCT NAME	CAT NUMBER	SIZE
Virginiamycin	HRP9223	0.5 ml

## SULPHONAMIDES

PRODUCT NAME	CAT NUMBER	SIZE
Sulphabenzamide	HRP9408	0.5 ml
Sulphaguanidine	HRP9268	0.5 ml
Sulphamerazine	HRP9347	0.5 ml
Sulphanitran	HRP9428	0.5 ml
Sulphaphenazole	HRP9293	0.5 ml

## TETRACYCLINES

PRODUCT NAME	CAT NUMBER	SIZE
Tetracycline(amide)-HRP	HRP9218	0.5 ml
Tetracycline(amide)-HRP	HRP9367	0.5 ml

## ANTI-PARASITIC DRUGS

## ANTHELMINTICS

PRODUCT NAME	CAT NUMBER	SIZE
Albendazole	HRP9219	0.5 ml
Albendazole	HRP9605	0.5 ml
Benzimidazole	HRP9409	0.5 ml
Closantel	HRP9617	0.5 ml
Thiabendazole	HRP9283	0.5 ml
Triclabendazole	HRP9395	0.5 ml

## COCCIDOSTATS

PRODUCT NAME	CAT NUMBER	SIZE
Ampicillin	HRP9339	0.5 ml
Diclazuril	HRP9280	0.5 ml
Halofuginone	HRP9673	0.5 ml
Lasalocid A	HRP9278	0.5 ml
Maduramicin	HRP9600	0.5 ml
Monensin	HRP9292	0.5 ml
Nicarbazin	HRP9279	0.5 ml
Nitrobenzene	HRP9373	0.5 ml
Robenidine	HRP9604	0.5 ml
Toltrazuril	HRP9397	0.5 ml
Dinitrosalicylic Acid Hydrazide	HRP9396	0.5 ml

## GROWTH PROMOTERS

## B-AGONISTS

PRODUCT NAME	CAT NUMBER	SIZE
Carazolol	HRP9624	0.5 ml
Cimaterol	HRP9410	0.5 ml
Isoxsuprine	HRP9264	0.5 ml
Ractopamine	HRP9251	0.5 ml
Ractopamine	HRP9252	0.5 ml
Ritodrine	HRP9266	0.5 ml

## DRUG RESIDUES



## GROWTH PROMOTERS

## B-AGONISTS

PRODUCT NAME	CAT NUMBER	SIZE
Salbutamol	HRP9349	0.5 ml
Salmeterol	HRP9398	0.5 ml
Zilpaterol	HRP9265	0.5 ml

## CORTICODTEROIDS

PRODUCT NAME	CAT NUMBER	SIZE
Cortisol	HRP9286	0.5 ml
Cortisone	HRP9416	0.5 ml
Dexamethasone	HRP9374	0.5 ml
Prednisolone	HRP9636	0.5 ml
Triamcinolone	HRP9625	0.5 ml
Triamcinolone Acetonide	HRP9501	0.5 ml

## NATURAL STEROIDS

PRODUCT NAME	CAT NUMBER	SIZE
17 $\alpha$ Hydroxyprogesterone	HRP9414	0.5 ml
17 $\alpha$ Hydroxyprogesterone	HRP9647	0.5 ml
17 $\alpha$ -Estradiol	HRP9259	0.5 ml
17 $\alpha$ -Testosterone	HRP9260	0.5 ml
17 $\beta$ -Estradiol	HRP9352	0.5 ml
17 $\beta$ -Estradiol-short linker	HRP9351	0.5 ml
17 $\beta$ -Testosterone	HRP9228	0.5 ml
Dehydroepiandrosterone Sulphate (DHEA-S)	HRP9648	0.5 ml
DHEA	HRP9618	0.5 ml
DHEA(17)	HRP9241	0.5 ml
Dihydrotestosterone	HRP9306	0.5 ml
Epiandrosterone	HRP9308	0.5 ml
Epi-Testosterone	HRP9602	0.5 ml
Estriol	HRP9399	0.5 ml
Estriol	HRP9400	0.5 ml

## NATURAL STEROIDS

PRODUCT NAME	CAT NUMBER	SIZE
Estriol	HRP9415	0.5 ml
Estriol	HRP9465	0.5 ml
Gestrinone	HRP9427	0.5 ml
Progesterone	HRP9261	0.5 ml
Testosterone	HRP9305	0.5 ml
Androstanedione	HRP9307	0.5 ml

## STILBENES

PRODUCT NAME	CAT NUMBER	SIZE
Dienestrol(p-OH)	HRP9258	0.5 ml
Diethylstilbestrol	HRP9514	0.5 ml

## SYNETHEIC GESTAGENS

PRODUCT NAME	CAT NUMBER	SIZE
Chlormadinone acetate	HRP9230	0.5 ml
Medroxyprogesterone Acetate	HRP9233	0.5 ml
Megestrol Acetate	HRP9232	0.5 ml
Megestrol/Megestrol Acetate	HRP9353	0.5 ml
Melengestrol Acetate	HRP9231	0.5 ml

## SYNTHETIC ANDROGENS

PRODUCT NAME	CAT NUMBER	SIZE
17 $\alpha$ -19-Nortestosterone	HRP9309	0.5 ml
17 $\alpha$ -Boldenone	HRP9246	0.5 ml
17 $\alpha$ -Trenbolone	HRP9244	0.5 ml
17 $\beta$ -Boldenone	HRP9248	0.5 ml
17 $\beta$ -Trenbolone	HRP9245	0.5 ml
19-Nortestosterone	HRP9369	0.5 ml
CLAD	HRP9243	0.5 ml
Mestanolone	HRP9402	0.5 ml
Methandriol	HRP9239	0.5 ml

## GROWTH PROMOTERS



## SYNTHETIC ANDROGENS

PRODUCT NAME	CAT NUMBER	SIZE
Methyltestosterone	HRP9237	0.5 ml
Stanozolol	HRP9466	0.5 ml

## SYNTHETIC ESTROGEN

PRODUCT NAME	CAT NUMBER	SIZE
Ethinylestradiol	HRP9235	0.5 ml

## MYCOTOXINS

PRODUCT NAME	CAT NUMBER	SIZE
Deoxynivalenol	HRP9710	0.5 ml
Ergot Alkaloids	HRP9708	0.5 ml
Ergot Alkaloids	HRP9709	0.5 ml
Fumonisin	HRP9713	0.5 ml
Ochratoxin A	HRP9707	0.5 ml
Zearalanone	HRP9401	0.5 ml
Zearalenone	HRP9712	0.5 ml
3-Acetyl-DON	HRP9711	0.5 ml

## BIOCHEMICAL MARKER



PRODUCT NAME	CAT NUMBER	SIZE
Cyclic AMP	HRP9371	0.5 ml

## GENERAL &amp; BIOCHEMICAL MARKERS

PRODUCT NAME	CAT NUMBER	SIZE
Creatinine	HRP9477	0.5 ml
Creatinine	HRP9658	0.5 ml

## THERAPEUTIC DRUG &amp; COCCIDIOSTAT

PRODUCT NAME	CAT NUMBER	SIZE
Salinomycin	HRP9519	0.5 ml

# HUMAN RECOMBINANT PROTEINS

Recombinant proteins can be used in a multitude of different ways including ELISA kits, control and calibrator manufacture, antibody recognition assays and immunohistochemistry. In-house experts at Randox are able to provide the recombinant proteins in the desired buffers, thus offering their knowledge in supporting the customers' research.

Our Human Recombinant Proteins are available in pack sizes of 10 µg, 100 µg and 1 mg increments. Additionally, a Western blot control is also available for all products listed.

## RECOMBINANT PROTEIN SPECIFICATION

<b>HOST</b>	<i>E. coli</i> or Mammalian cells
<b>FORMAT</b>	Liquid
<b>BUFFER</b>	50% Glycerol
<b>PURITY</b>	>95% determined by SDS-PAGE
<b>STORAGE</b>	Long Term storage -20 °C

PRODUCT NAME	CAT NUMBER	SIZE
Soluble Tumour Necrosis Factor Receptor 1 (sTNFR-R1)	RCP9099	1 mg
Carbonic Anhydrase III (CA-III)	RCP9100	1 mg
Fatty Acid Binding Protein (Heart) (H-FABP)	RCP9101	1 mg
Peroxisom Proliferator-Acivated Receptor Gamma (PPAR-g)	RCP9102	1 mg
Neutrophil Gelatinase Associated Lipocalin (NGAL)	RCP9103	1 mg
Tumour Type M2 Pyruvate Kinase (M2PK)	RCP9104	1 mg
Cytokeratin-18 (CK-18)	RCP9105	1 mg
S100A10	RCP9106	1 mg
S100A11	RCP9107	1 mg
Paraoxonase 1 (PON-1)	RCP9108	1 mg
Paraoxonase 2 (PON-2)	RCP9109	1 mg
Myoglobin	RCP9110	1 mg
Cyclin-Dependant Kinase 4 (CDK-4)	RCP9111	1 mg
Tumour Necrosis Factor Beta (TNFb)	RCP9112	1 mg
Vascular Cell Adhesion Molecule-1 (VCAM-1)	RCP9113	1 mg
Intercellular Adhesion Molecule-1 (ICAM-1)	RCP9114	1 mg
Vascular Endothelial Growth Factor (VEGF)	RCP9115	1 mg
L-Selectin	RCP9117	1 mg
E-Selectin	RCP9118	1 mg
Interleukin-2 (IL-2)	RCP9119	1 mg
Interleukin-4 (IL-4)	RCP9120	1 mg
Interleukin-12p35 (IL-12p35)	RCP9121	1 mg
Interleukin-12p40 (IL-12p40)	RCP9122	1 mg
Platelet Derived Growth Factor A (PDGF-A)	RCP9123	1 mg
Platelet Derived Growth Factor B (PDGF-B)	RCP9124	1 mg
Interleukin-8 (IL-8)	RCP9125	1 mg
Neuronal Specific Enolase (NSE)	RCP9126	1 mg
S100 Beta Chain	RCP9127	1 mg
Interleukin-1 Alpha (IL-1A)	RCP9128	1 mg
Interleukin-1 Beta (IL-1B)	RCP9129	1 mg
C-Reactive Protein (CRP)	RCP9131	1 mg
Interleukin-6 (IL-6)	RCP9132	1 mg
Interleukin-3 (IL-3)	RCP9133	1 mg
Interleukin-7 (IL-7)	RCP9135	1 mg
Interleukin-13 (IL-13)	RCP9136	1 mg

PRODUCT NAME	CAT NUMBER	SIZE
Interleukin-15 (IL-15)	RCP9137	1 mg
Vascular Endothelial Growth Factor Receptor-1 (VEGF-R1)	RCP9138	1 mg
Granulocyte Macrophage Colony Stimulating Factor (GM-CSF)	RCP9139	1 mg
Macrophage Inflammatory Protein-1a (MIP-1a)	RCP9140	1 mg
Inhibin Alpha Subunit	RCP9142	1 mg
Inhibin Beta A Subunit	RCP9143	1 mg
Pregnancy Associated Plasma Protein-1 (PAPP-1A)	RCP9145	1 mg
ADAM 12S	RCP9146	1 mg
Rantes	RCP9148	1 mg
Eotaxin	RCP9149	1 mg
Interleukin-1 Receptor Antagonist (IL-1RA)	RCP9150	1 mg
Interferon Inducible Protein (IP-10)	RCP9151	1 mg
Tumour Necrosis Factor Alpha (TNF $\alpha$ )	RCP9152	1 mg
Interferon Gamma (IFN $\gamma$ )	RCP9153	1 mg
Procalcitonin (PCT)	RCP9154	1 mg
Interleukin-10 (IL-10)	RCP9156	1 mg
Granulocyte Colony Stimulating Factor (G-CSF)	RCP9157	1 mg
Vascular Cell Adhesion Molecule-1 Fragment (VCAM-1FRAG)	RCP9158	1 mg
Retinol Binding Protein (RBP)	RCP9159	1 mg
Resistin	RCP9161	1 mg
Visfatin	RCP9162	1 mg
Plasminogen Activator Inhibitor 1 (PAI-1)	RCP9163	1 mg
Monocyte Chemotactic Protein-1 (MCP-1)	RCP9164	1 mg
Soluble Tumour Necrosis Factor Receptor 2 (sTNF-R1)	RCP9168	1 mg
Tissue Inhibitor of Metalloproteinase 1 (TIMP-1)	RCP9172	1 mg
Interleukin-2 Receptor Alpha (IL-2RA)	RCP9176	1 mg
Interleukin-6 Soluble Receptor (IL-6SR)	RCP9180	1 mg
Soluble Triggering Receptor Expressed on Myeloid Cells-1 (STREM-1)	RCP9184	1 mg
Haptoglobin B-Chain	RCP9188	1 mg
Glutathione S-Transferase Omega 1 140 A (GST-01)	RCP9192	1 mg
Glutathione S-Transferase Omega 1 140 D (GST-01)	RCP9196	1 mg
Integrin-Linked Kinase (ILK)	RCP9299	1 mg
Mitochondrial Glycerol-3-Phosphate Dehydrogenase (mGPD)	RCP9303	1 mg
Monoamine Oxidase B (MAOB)	RCP9307	1 mg
Matrix Metalloproteinase-9 (MMP-9)	RCP9311	1 mg



PRODUCT NAME	CAT NUMBER	SIZE
Fatty Acid Binding Protein (Brain) (B-FABP)	RCP9315	1 mg
C-CCSP-2	RCP9323	1 mg
Fatty Acid Binding Protein (Liver) (L-FABP)	RCP9327	1 mg
Fatty Acid Binding Protein (Intestinal) (I-FABP)	RCP9331	1 mg
Fatty Acid Binding Protein (Adipocyte) (A-FABP)	RCP9335	1 mg
Fatty Acid Binding Protein (Myelin) (M-FABP)	RCP9339	1 mg
Fatty Acid Binding Protein (Epidermal) (E-FABP)	RCP9343	1 mg
Fatty Acid Binding Protein (Ileal) (IL-FABP)	RCP9347	1 mg
Tropomyosin 1 Variant 3	RCP9353	1 mg
Inhibin A	RCP9357	1 mg
14-3-3-Gamma	RCP9373	1 mg
Pro-Matrix Metalloproteinase 9 (PRO MMP-9)	RCP9381	1 mg
ADAM 10	RCP9385	1 mg
ST-2	RCP9389	1 mg
Transforming Growth Factor Beta - 1 (TGF-B1)	RCP9397	1 mg
Interleukin-17 (IL-17)	RCP9413	1 mg
Interleukin-33 (IL-33)	RCP9417	1 mg
Interleukin-35 (IL-35)	RCP9421	1 mg
Tissue Factor	RCP9425	1 mg
sCD40-L	RCP9429	1 mg
Fractalkine	RCP9433	1 mg
Cystatin C	RCP9437	1 mg
Lipoprotein-Associated Phospholipase A2 (LP-PLA2)	RCP9441	1 mg
Migration Inhibitory Factor (MIF)	RCP9445	1 mg
Kallikrein 6 (KLK-6)	RCP9485	1 mg
Pencillin Binding Protein 2X (PBP-2X)	RCP9493	1 mg
Gamma Hydroxybutyrate CoA Transferase	RCP9497	1 mg

# RECOMBINANT ANTIBODY FRAGMENTS

Randox Biosciences have a specialised offering of sdAbs for research and therapeutic applications. Our scientists recommend the use of Single Domain Antibody Fragments (sdAbs) as they are more stable, adaptable and easily humanised, making them ideal for therapeutic products.

Our Recombinant Antibody Fragments are available in pack sizes of 10µg, 100µg and 1 mg increments. Additionally, matching HRP conjugates are available for all small molecule antibodies.

## GENERAL SPECIFICATIONS

<b>HOST</b>	<i>E.coli</i>
<b>FORMAT</b>	Single Chain Fv recombinant antibody fragment
<b>pH</b>	7.4
<b>BUFFER</b>	PBS containing 0.09% sodium azide preservative
<b>STORAGE</b>	Stable at 4°C, Long Term storage at -20°C
<b>PURITY</b>	Affinity Purified to >90%

SDABS



ONCOLOGY

PRODUCT NAME	CAT NUMBER	SIZE
Anti Alpha 1 Acid Glycoprotein (orosomuroid or AAG) scFv clone 2076.22D8	RAF9495	1 mg
Anti Cancer Antigen 15-3 (CA15-3/mucin 1) scFv clone CA153.1	RAF9551	1 mg
Anti Epidermal Growth Factor Receptor (EGFR/ErbB1) sdAb clone E1A	RAF9567	1 mg
Anti Epidermal Growth Factor Receptor (EGFR/ErbB1) sdAb clone E1B	RAF9571	1 mg
Anti ErbB2 (HER2) sdAb clone 6.1H8.F9.G6	RAF9619	1 mg
Anti ErbB2 (HER2) sdAb clone 6.7A2.A4.D3	RAF9623	1 mg
Anti ErbB2 (HER2) sdAb clone 6.8A2.B8.A11	RAF9627	1 mg
Anti ErbB2 (HER2) sdAb clone 6.8E7.A7.A1	RAF9631	1 mg
Anti ErbB3 sdAb clone 9.21C1.G1.F1.A5	RAF9635	1 mg
Anti ErbB3 sdAb clone 9.22E1.F5.H10	RAF9639	1 mg
Anti CD38 sdAb clone 13.6D9	RAF9691	1 mg
Anti CD38 sdAb clone 13.7E2	RAF9695	1 mg
Anti CD30 sdAb (TNFRSF8) clone 13B4.E10	RAF9699	1 mg
Anti CD38 sdAb clone 13.7H4	RAF9711	1 mg
Anti CD38 sdAb clone 13.1G11	RAF9715	1 mg
Anti CD38 sdAb clone 13.8E5	RAF9719	1 mg
Anti CD38 sdAb clone 13.2G8	RAF9723	1 mg
Anti CD38 sdAb clone 14.2H9	RAF9727	1 mg
Anti CD3 epsilon (CD3e) sdAb clone 26.7C4	RAF9731	1 mg
Anti PD1 (Programmed cell death protein 1) sdAb clone 6F7	RAF9747	1 mg
Anti PD1 (Programmed cell death protein 1) sdAb clone 4H11	RAF9751	1 mg
Anti PD1 (Programmed cell death protein 1) sdAb clone 3H4	RAF9755	1 mg

ONCOLOGY

PRODUCT NAME	CAT NUMBER	SIZE
Anti CTLA4 (Cytotoxic T-Lymphocyte-associated Antigen 4) sdAb clone 3G8	RAF9759	1000 µg
Anti CTLA4 (Cytotoxic T-Lymphocyte-associated Antigen 4) sdAb clone 8C7	RAF9763	1 mg
Anti CTLA4 (Cytotoxic T-Lymphocyte-associated Antigen 4) sdAb clone 4A8	RAF9767	1 mg
Anti CTLA4 (Cytotoxic T-Lymphocyte-associated Antigen 4) sdAb clone 8G1	RAF9771	1 mg
Anti CTLA4 (Cytotoxic T-Lymphocyte-associated Antigen 4) sdAb clone 8H6	RAF9775	1 mg

CARDIAC

PRODUCT NAME	CAT NUMBER	SIZE
Anti Cardiac Troponin I (cTnI) epitope 1-20 scFv clone 1542.2A4	RAF9411	1 mg
Anti Cardiac Troponin I (cTnI) epitope 13-28 scFv clone 1542.14F10	RAF9383	1 mg
Anti Cardiac Troponin I (cTnI) epitope 20-40 scFv clone MC71.H6	RAF9519	1 mg
Anti Cardiac Troponin I (cTnI) epitope 40-50 scFv clone 1542.61H8	RAF9523	1 mg
Anti Cardiac Troponin I (cTnI) epitope 50-60 sdAb clone 001.6C2	RAF9527	1 mg
Anti Cardiac Troponin I (cTnI) epitope 55-70 sdAb clone 001.7B11	RAF9531	1 mg
Anti Cardiac Troponin I (cTnI) epitope 80-100 sdAb clone 001.11D9	RAF9535	1 mg
Anti Cardiac Troponin I (cTnI) epitope 80-100 scFv clone 1542.14A2	RAF9391	1 mg
Anti Cardiac Troponin I (cTnI) epitope 100-110 scFv clone 1542.42F9	RAF9499	1 mg
Anti Cardiac Troponin I (cTnI) epitope 160-175 scFv clone 1542.3H4	RAF9346	1 mg
Anti Cardiac Troponin I (cTnI) epitope 170-190 scFv clone 1542.31D7	RAF9399	1 mg
Anti Cardiac Troponin I (cTnI) epitope 190-209 scFv clone 1542.4D1	RAF9358	1 mg

SDABS



CARDIAC

PRODUCT NAME	CAT NUMBER	SIZE
Anti Creatinine kinase-MB (CK-MB) scFv Clone 2431.3B8	RAF9543	1 mg
Anti FABP3 (Heart Fatty acid Binding Protein/FABPh) epitope 1 scFv clone MC25G11	RAF9214	1 mg
Anti FABP3 (Heart Fatty Acid Binding Protein/FABPh) epitope 1 sdAb clone 001.11F2	RAF9539	1 mg
Anti FABP3 (Heart Fatty Acid Binding Protein/FABPh) epitope 1 scFv clone 1360.6H5	RAF9471	1 mg
Anti FABP3 (Heart Fatty Acid Binding Protein/FABPh) epitope 2 scFv clone MC7D5	RAF9210	1 mg
Anti Myoglobin scFv clone 1B8	RAF9799	1 mg
Anti Myoglobin scFv clone 3B3	RAF9819	1 mg
Anti Myoglobin scFv clone 4H12	RAF9823	1 mg

HORMONES

PRODUCT NAME	CAT NUMBER	SIZE
Anti Thyroid-Stimulating Hormone (TSH) epitope 2 scFv clone 1001.1E5.C2	RAF9511	1 mg
Anti Thyroid-Stimulating Hormone (TSH) epitope 3 scFv clone MC43A2	RAF9298	1 mg
Anti Thyroid-Stimulating Hormone (TSH) epitope 4 scFv clone 1014.5B10	RAF9515	1 mg
Anti Thyroid-Stimulating Hormone (TSH) epitope 3 scFv clone 1030.4C1	RAF9451	1 mg
Anti TSH / HCG / LH / FSH $\alpha$ -chain epitope 1 scFv clone 1001.1E5.E8	RAF9375	1 mg
Anti Prolactin sdAb clone 10.1F8	RAF9647	1 mg
Anti Prolactin sdAb clone 9.24E10. F3.H12	RAF9651	1 mg

INFECTIOUS DISEASES

PRODUCT NAME	CAT NUMBER	SIZE
Anti Tetanus Toxoid - scFv clone MCTT	RAF9342	1 mg
Anti Hepatitis B env (HB <sub>e</sub> ) scFv clone HB <sub>e</sub> 1	RAF9779	1 mg

INFECTIOUS DISEASES

PRODUCT NAME	CAT NUMBER	SIZE
Anti Hepatitis B core (HB <sub>c</sub> ) scFv clone 1C4	RAF9783	1 mg
Anti Hepatitis B Surface Antigen (HB <sub>s</sub> Ag) scFv clone HB <sub>s</sub> 2	RAF9787	1 mg
Anti Hepatitis B Surface Antigen (HB <sub>s</sub> Ag) scFv clone MCHBS	RAF9338	1 mg
Anti Cytomegalovirus (CMV) gB antigen scFv clone CMV1	RAF9791	1 mg
Anti Cytomegalovirus (CMV) gB antigen scFv clone CMV2	RAF9795	1 mg

OTHER

PRODUCT NAME	CAT NUMBER	SIZE
Anti FABP7 (Brain Fatty Acid Binding Protein) epitope 1 scFv clone MC63. E2	RAF9475	1 mg
Anti FABP7 (Brain Fatty Acid Binding Protein) epitope 2 scFv clone MC65.E1	RAF9483	1 mg
Anti FABP8 (Myelin Fatty Acid Binding Protein) scFv clone MC61.B3	RAF9487	1 mg
Anti L-Selectin - scFv clone MC39A10	RAF9258	1 mg
Anti Norketamine - scFv clone MC32F5	RAF 9202	1 mg
Anti Plasminogen Activator Inhibitor-1 (PAI-1) scFv clone 1040.1F6	RAF9326	1 mg
Anti Plasminogen Activator Inhibitor-1 (PAI-1) scFv clone 1040.1518.5H8	RAF9415	1 mg
Anti human IgG (subclasses 1,2,3 & 4) sdAb clone 6.1H3.D9.C6	RAF9679	1 mg
Anti CRP (C-reactive Protein) sdAb clone 2E4	RAF9803	1 mg
Anti CRP (C-reactive Protein) sdAb clone 4B9	RAF9807	1 mg
Anti CRP (C-reactive Protein) sdAb clone 1A6	RAF9811	1 mg
Anti CRP (C-reactive Protein) sdAb clone 5A11	RAF9815	1 mg

# NOTES

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