| Product: | **Anti-Fentanyl Antibody** | | | | |
|---|---|---|---|---|---|
| Synonyms: | Not available | | | | |
| Immunogen: | Fentanyl-BTG | | | | |
| **Pack sizes: Cat. No.** | 1 mg    PAS10248 | **Host Species:** | *Ovis aries* (Sheep) | **Isotype:** | IgG |
| | 10 mg    PAS10249 | **Host Breed:** | Texel | **Format:** | Clear liquid |
| | | **Clonality:** | Polyclonal | **pH:** | 7.4 |

| **IgG Concentration:** | **Buffer:** |
|---|---|
| Lot dependent. Determined @ 280nm. | 20mM Phosphate, 150mM Sodium Chloride. |

| **Recommended Working Concentration*:** | **Preservative:** |
|---|---|
| 0.156 µg/mL<br><br>*The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user. | 0.09% Sodium Azide. |

| **Assessment Method:** | **Species Reactivity:** |
|---|---|
| Competitive ELISA. | N/A |

| **Method of Purification:** | **Storage:** |
|---|---|
| Salt fractionation. | Can be stored for up to 3 months at +2˚C - +8˚C.<br>For long term storage, aliquot and store at ≤-20 ˚C.<br>Avoid repeated freeze/thaw cycles.<br>Product should be protected from light exposure. |

**Recommended Applications:**

The antibody is suitable for the development of immunoassays or immunoaffinity purification columns.

| **Sensitivity:** | **Target Specificity*:** |
|---|---|
| 1 ng/mL Fentanyl produces 93% inhibition in a competitive ELISA employing Fentanyl polyclonal antibody. | ELISA microtitre plate based and expressed as % crossreactivity*. The antibody exhibited crossreactivity for the following compounds: Norfentanyl <2% and Despropionylfentanyl <2%.<br><br>* Cross reactivity profile may vary with tracer used. |

**Related Products:**

Fentanyl-HRP, HRP9626, Kit size: 0.5 mL.

**Notes & Precautions:**

Antibody can be affinity purified on request. This product as supplied is intended for research applications only, not for use in therapeutic or diagnostic applications without the expressed written authorization of Randox BioReagents. A safety data sheet (SDS) can be supplied upon request. Vial should be centrifuged briefly before opening to ensure all material is removed from the vial cap.

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