

## Product datasheet for **AP09721PU-L**

### Fentanyl / Despropionyl Fentanyl Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<b>ELISA:</b> 2.5 µg/ml.
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fentanyl(p)-BSA
Specificity:	This antibody recognizes Fentanyl/Despropionyl Fentanyl.
Formulation:	20mM Phosphate, 150mM Sodium Chloride, pH 7.2 State: Ig Fraction State: Liquid Ig fraction prepared by Caprylic Acid and Ammonium Sulphate precipitation procedures. Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	Fentanyl was first synthesized in the late 1950s and first introduced into medical practice during the 1960s as an intravenous anaesthetic. Other analogues of fentanyl have since been synthesized and are extensively used in anaesthesia and analgesia for effective relief of chronic pain. Fentanyl is a synthetic opioid and as an analgesic has approximately 80 times the potency of morphine. In high doses Fentanyl has been known to cause euphoria, muscular rigidity, sedation and respiratory depression. The effects of fentanyl are very similar to those produced by heroin however fentanyl is much more potent. As such the use of fentanyl is often abused. The short lasting effect of fentanyl means users can become dependent quickly.



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