

Human Fentanyl ELISA Kit

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CATALOG #
AAA247285

REACTIVITY
Human

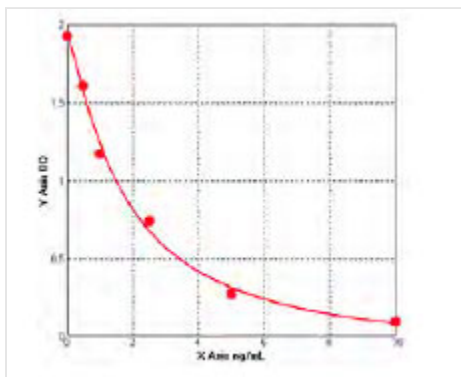
PRODUCT SYNONYMS

Fentanyl; Human Fentanyl ELISA Kit; Fentanyl elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FTN. No significant cross-reactivity or interference between FTN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FTN and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 6% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Fentanyl elisa kit	Intended Uses: This FTN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanFTN. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FTN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FTN antibody and an FTN-HRP conjugate. The assay sample and buffer are incubated together with FTN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the FTN concentration since FTN from samples and FTN-HRP conjugate compete for the anti-FTN antibody binding site. Since the number of sites is limited, as more sites are occupied by FTN from the sample, fewer sites are left to bind FTN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FTN concentration in each sample is interpolated from this standard curve.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/fentanyl/247285>