Mouse Valerylfentanyl Carboxylic acid Monoclonal Antibody

Anti Valerylfentanyl Carboxylic acid mouse monoclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA41072	**Mouse**	**CAS # 117332-91-9**	**ELISA**

PRODUCT SYNONYMS

Valerylfentanyl Carboxylic acid; Monoclonal Antibody; Anti Valerylfentanyl Carboxylic acid mouse monoclonal antibody; Valeryl fentanyl (hydrochloride); anti-Valerylfentanyl Carboxylic acid antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	CAS # 117332-91-9
Clonality	Monoclonal
Isotype	IgG1
Clone Number	95-F-6
Purity/Purification	Protein G purified from mice ascites
Form/Format	Liquid PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	1.53 mg/ml (varies by lot)
Applicable Applications for anti-Valerylfentanyl Carboxylic acid antibody	ELISA
Immunogen	Valerylfentanyl Carboxylic acid
Conjugation	Unconjugated
CAS#	117332-91-9
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 4°C for frequent use. Store at -20 to -80°C for 12 months from the date of receipt

ADDITIONAL INFORMATION

Related Product Information for anti-Valerylfentanyl Carboxylic acid antibody	Valerylfentanyl first appeared in toxicological assays in 2016 and through 2018, it has been reported in 6 countries worldwide, including North America, Europe, and Asia. It is being sold as heroin, an adulterant in heroin, or as counterfeit pills. Few fatalities have been attributed to this substance although confiscations of drug containing valerylfentanyl appear to be increasing in some states in the U.S. Receptor binding data show that valerylfentanyl binds selectively to the mu subtype of opioid receptors with low nanomolar affinity relative to kappa and delta opioid receptors. Functional binding assays suggest that valerylfentanyl is a partial agonist at mu and kappa opioid receptors and an antagonist at delta receptors. However, in vivo pharmacology studies in rodents and non-human primates suggest that valerylfentanyl is a full mu agonist.No pharmacokinetic studies of valerylfentanyl are reported in the preclinical or clinical scientific literature. Valerylfentanyl appears to be less potent than other illicit mu agonists with a chemical structure that is similar to fentanyl. As such, its pharmacology and toxic effects are likely to be similar to fentanyl. It currently has no legitimate medical or veterinary uses and is relatively easy to manufacture. The totality of data currently available on valerylfentanyl suggests that it has high abuse potential and poses a serious public health threat.

Product Categories/Family for anti-Valerylfentanyl Carboxylic acid antibody	Primary antibody

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://stage.aaabiotech.com/monoclonal/valerylfentanyl-carboxylic-acid-antibody-clone-95-f-6-elisa/41072