

Rat Mu-type opioid receptor (OPRM1) ELISA Kit | OPRM1 elisa kit

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CATALOG #
AAA246425

REACTIVITY
Rat

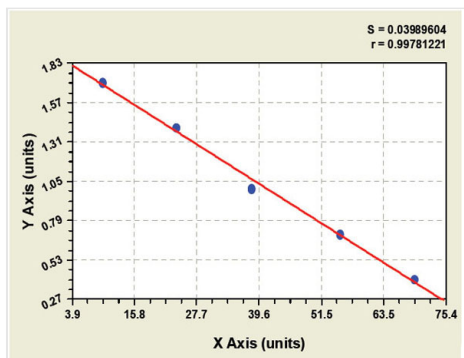
PRODUCT SYNONYMS

Mu-type opioid receptor (OPRM1); Rat Mu-type opioid receptor (OPRM1) ELISA Kit; OPRM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This OPRM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat OPRM1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OPRM1 elisa kit

Principle of the assay: OPRM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-OPRM1 antibody and an OPRM1-HRP conjugate. The assay sample and buffer are incubated together with OPRM1-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 OPRM1 concentration since OPRM1 from samples and OPRM1-HRP conjugate compete for the anti-OPRM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by OPRM1 from the sample, fewer sites are left to bind OPRM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OPRM1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2851402
NCBI GeneID	4988
Molecular Weight	20,188 Da
NCBI Official Full Name	Mu-type opioid receptor
NCBI Official Synonym Full Names	opioid receptor, mu 1
NCBI Official Symbol	OPRM1
NCBI Official Synonym Symbols	MOP; MOR; LMOR; MOR1; OPRM; M-OR-1
NCBI Protein Information	mu-type opioid receptor; mu opiate receptor; mu opioid receptor hMOR-1a
UniProt Protein Name	Mu-type opioid receptor
UniProt Gene Name	OPRM1
UniProt Synonym Gene Names	MOR1; M-OR-1; MOR-1; MOP; hMOP
UniProt Entry Name	OPRM_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/mu-type-opioid-receptor-oprm1/246425>