

Mouse Delta-type opioid receptor (OPRD1) ELISA Kit | OPRD1 elisa kit

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CATALOG #
AAA246099

REACTIVITY
Mouse

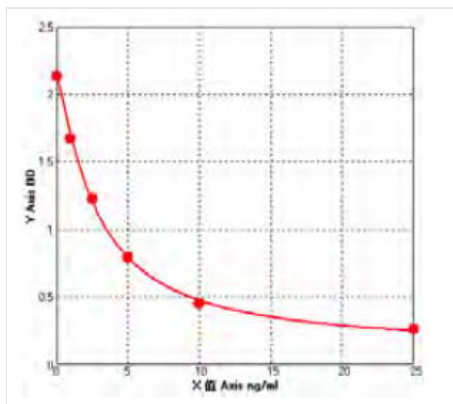
PRODUCT SYNONYMS

Delta-type opioid receptor (OPRD1); Mouse Delta-type opioid receptor (OPRD1) ELISA Kit; OPRD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of OPRD1. No significant cross-reactivity or interference between OPRD1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OPRD1 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 all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OPRD1 elisa kit	Intended Uses: This OPRD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse OPRD1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: OPRD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-OPRD1 antibody and an OPRD1-HRP conjugate. The assay sample and buffer are incubated together with OPRD1-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 OPRD1 concentration since OPRD1 from samples and OPRD1-HRP conjugate compete for the anti-OPRD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by OPRD1 from the sample, fewer sites are left to bind OPRD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OPRD1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for OPRD1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	63477962
NCBI GeneID	4985
NCBI Accession #	NP_000902.3
NCBI GenBank Nucleotide #	NM_000911.3
Molecular Weight	40,369 Da
NCBI Official Full Name	delta-type opioid receptor
NCBI Official Synonym Full Names	opioid receptor, delta 1
NCBI Official Symbol	OPRD1
NCBI Official Synonym Symbols	OPRD
NCBI Protein Information	delta-type opioid receptor; DOR-1; D-OR-1; delta opioid receptor 1
UniProt Protein Name	Delta-type opioid receptor
UniProt Gene Name	OPRD1
UniProt Synonym Gene Names	OPRD; D-OR-1; DOR-1
UniProt Entry Name	OPRD_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/delta-type-opioid-receptor-oprd1/246099>