

Rabbit Dopamine Receptor D5 ELISA Kit | DRD5 elisa kit

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CATALOG #
AAA83818

REACTIVITY
Rabbit

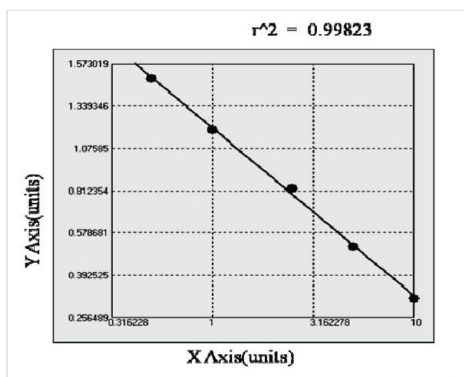
PRODUCT SYNONYMS

Dopamine Receptor D5; Rabbit Dopamine Receptor D5 ELISA Kit; DRD5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DRD5 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This DRD5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit DRD5. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY DRD5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DRD5 antibody and an DRD5-HRP conjugate. The assay sample and buffer are incubated together with DRD5-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 DRD5 concentration since DRD5 from samples and DRD5-HRP conjugate compete for the anti-DRD5 antibody binding site. Since the number of sites is limited, as more sites are occupied by DRD5 from the sample, fewer sites are left to bind DRD5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DRD5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DRD5 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	181831
NCBI GeneID	1816
Molecular Weight	52,951 Da
NCBI Official Full Name	dopamine receptor D5
NCBI Official Synonym Full Names	dopamine receptor D5
NCBI Official Symbol	DRD5
NCBI Official Synonym Symbols	DBDR; DRD1B; DRD1L2
NCBI Protein Information	D(1B) dopamine receptor; D(1B) dopamine receptor; dopamine D5 receptor; dopamine receptor D1B; d(5) dopamine receptor; D1beta dopamine receptor
UniProt Protein Name	D(1B) dopamine receptor
UniProt Gene Name	DRD5
UniProt Synonym Gene Names	DRD1B; DRD1L2
UniProt Entry Name	DRD5_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.