

Rat Dopamine D1 receptor ELISA Kit | D1R elisa kit

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CATALOG #
AAA82582

REACTIVITY
Rat

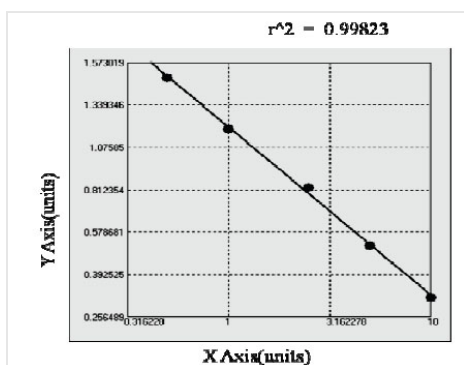
PRODUCT SYNONYMS

Dopamine D1 receptor; Rat Dopamine D1 receptor ELISA Kit; Dopamine D1 receptor (Rat); D1R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 D1R elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

Intended Use This DRD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DRD1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY DRD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DRD1 antibody and an DRD1-HRP conjugate. The assay sample and buffer are incubated together with DRD1-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 DRD1 concentration since DRD1 from samples and DRD1-HRP conjugate compete for the anti-DRD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by DRD1 from the sample, fewer sites are left to bind DRD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DRD1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312176376
NCBI GeneID	100008915
NCBI Accession #	NP_001185888.1
NCBI GenBank Nucleotide #	NM_001198959.1
NCBI Official Full Name	dopamine D1 receptor
NCBI Official Symbol	D1R
NCBI Official Synonym Symbols	DRD1
NCBI Protein Information	dopamine D1 receptor

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.