

Rat Dopamine Receptor D3 ELISA Kit | DRD3 elisa kit

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CATALOG #
AAA86771

REACTIVITY
Rat

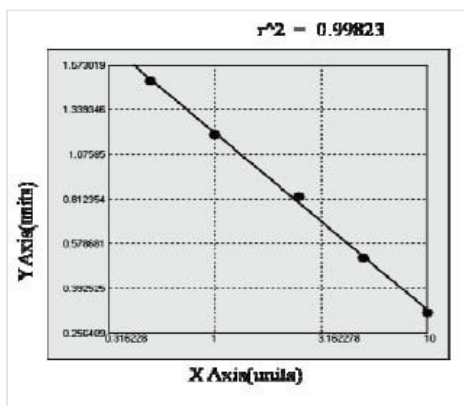
PRODUCT SYNONYMS

Dopamine Receptor D3; Rat Dopamine Receptor D3 ELISA Kit; DRD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/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 DRD3 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This DRD3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DRD3. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY DRD3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DRD3 antibody and an DRD3-HRP conjugate. The assay sample and buffer are incubated together with DRD3-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 DRD3 concentration since DRD3 from samples and DRD3-HRP conjugate compete for the anti-DRD3 antibody binding site. Since the number of sites is limited, as more sites are occupied by DRD3 from the sample, fewer sites are left to bind DRD3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DRD3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DRD3 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	118764279
NCBI GeneID	1814
Molecular Weight	40,760 Da
NCBI Official Full Name	DRD3 protein
NCBI Official Synonym Full Names	dopamine receptor D3
NCBI Official Symbol	DRD3
NCBI Official Synonym Symbols	D3DR; ETM1; FET1
NCBI Protein Information	D(3) dopamine receptor; D(3) dopamine receptor; essential tremor 1
UniProt Protein Name	D(3) dopamine receptor
UniProt Gene Name	DRD3
UniProt Entry Name	DRD3_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/drd3-rat-elisa-kits/dopamine-receptor-d3/86771>