

Mouse Dopamine D1 receptor ELISA Kit | D1R elisa kit

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CATALOG #
AAA86760

REACTIVITY
Mouse

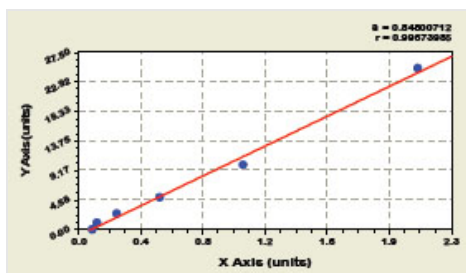
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



ADDITIONAL INFORMATION

Related Product Information for D1R elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This D1R ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of D1R in the sample, this D1R ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus D1R concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoassay for the quantitative measurement of D1R utilizes a monoclonal anti-D1R antibody and an D1R-HRP conjugate. The assay sample and buffer are incubated together with D1R-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 D1R concentration since D1R from samples and D1R-HRP conjugate compete for the anti-D1R antibody binding site. Since the number of sites is limited, as more sites are occupied by D1R from the sample, fewer sites are left to bind D1R-HRP conjugate. Standards of known D1R concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of D1R. The D1R concentration in each sample is interpolated from this standard curve.

Product Categories/Family for D1R elisa kit	Mouse ELISA Kit
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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.

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 Online datasheet: <https://stage.aaabiotech.com/d1r-mouse-elisa-kits/dopamine-d1-receptor/86760>