

Rat Dopamine Receptor D2 (DRD2) ELISA Kit | DRD2 elisa kit

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CATALOG #
AAA139384

REACTIVITY
Rat

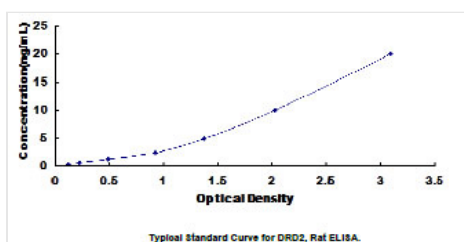
PRODUCT SYNONYMS

Dopamine Receptor D2 (DRD2); Rat Dopamine Receptor D2 (DRD2) ELISA Kit; DR-D2; D2DR; D2R; DRD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Dopamine Receptor D2 (DRD2). No significant cross-reactivity or interference between Dopamine Receptor D2 (DRD2) and analogues was observed.
Sequence Length	445
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Dopamine Receptor D2 (DRD2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Dopamine Receptor D2 (DRD2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DRD2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Dopamine Receptor D2 (DRD2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Dopamine Receptor D2 (DRD2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Dopamine Receptor D2 (DRD2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Dopamine Receptor D2 (DRD2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DRD2 elisa kit	Signal transduction; Metabolic pathway; Neuroscience; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	5921480
NCBI GeneID	1813
UniProt Accession #	P14416; Q9NZR3; Q9UPA9
Molecular Weight	50,847 Da
NCBI Official Full Name	dopamine receptor D2
NCBI Official Synonym Full Names	dopamine receptor D2
NCBI Official Symbol	DRD2
NCBI Official Synonym Symbols	D2R; D2DR
NCBI Protein Information	D(2) dopamine receptor
UniProt Protein Name	D(2) dopamine receptor
UniProt Gene Name	DRD2
UniProt Entry Name	DRD2_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.