

Human Dopamine Receptor D2 ELISA Kit | DRD2 elisa kit

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CATALOG #
AAA83488

REACTIVITY
Human

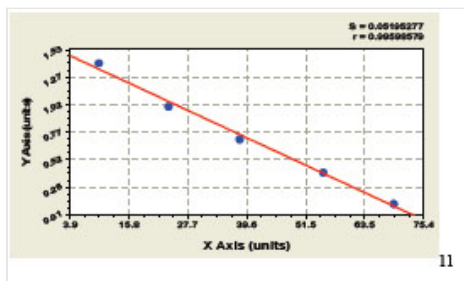
PRODUCT SYNONYMS

Dopamine Receptor D2; Human Dopamine Receptor D2 ELISA Kit; DRD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This DRD2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DRD2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DRD2 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This DRD2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DRD2. This ELISA kit for researchuse only! PRINCIPLE OF THE ASSAY DRD2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DRD2 antibody and an DRD2-HRP conjugate. The assay sample and buffer are incubated together with DRD2-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 DRD2 concentration since DRD2 from samples and DRD2-HRP conjugate compete for the anti-DRD2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DRD2 from the sample, fewer sites are left to bind DRD2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DRD2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for DRD2 elisa kit	Neurobiology

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; D(2) dopamine receptor; dopamine D2 receptor; dopamine receptor D2 isoform; seven transmembrane helix 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.