

Human Dopamine Receptor D1 ELISA Kit | DRD1 elisa kit

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CATALOG #
AAA94967

REACTIVITY
Human

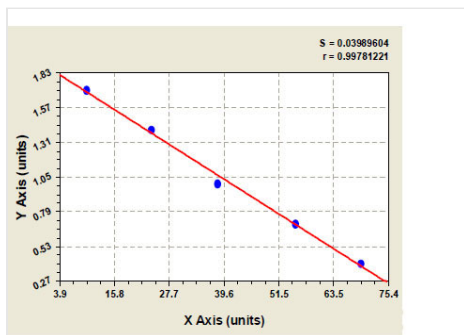
PRODUCT SYNONYMS

Dopamine Receptor D1; Human Dopamine Receptor D1 ELISA Kit; DRD1 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DRD1 elisa kit

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

Principle of the Assay||DRD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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 #	20269979
NCBI GeneID	1812
Molecular Weight	49,293 Da
NCBI Official Full Name	dopamine receptor D1
NCBI Official Synonym Full Names	dopamine receptor D1
NCBI Official Symbol	DRD1
NCBI Official Synonym Symbols	DADR; DRD1A
NCBI Protein Information	D(1A) dopamine receptor; D(1A) dopamine receptor; dopamine D1 receptor
UniProt Protein Name	D(1A) dopamine receptor
UniProt Gene Name	DRD1
UniProt Entry Name	DRD1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/drd1-human-elisa-kits/dopamine-receptor-d1/94967>