

Rat Dopamine Receptor D4 ELISA Kit | DRD4 elisa kit

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CATALOG #
AAA83350

REACTIVITY
Rat

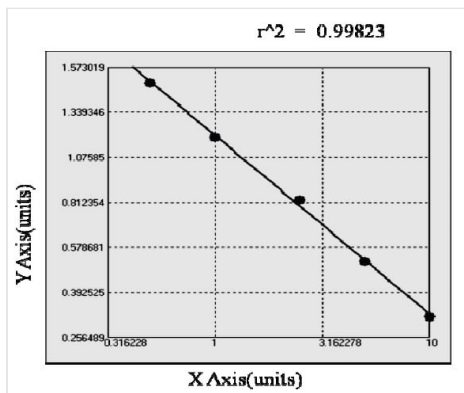
PRODUCT SYNONYMS

Dopamine Receptor D4; Rat Dopamine Receptor D4 ELISA Kit; DRD4 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
Intended Uses	This DRD4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DRD4. 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 DRD4 elisa kit

Principle of the Assay: DRD4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DRD4 antibody and an DRD4-HRP conjugate. The assay sample and buffer are incubated together with DRD4-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 DRD4 concentration since DRD4 from samples and DRD4-HRP conjugate compete for the anti-DRD4 antibody binding site. Since the number of sites is limited, as more sites are occupied by DRD4 from the sample, fewer sites are left to bind DRD4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DRD4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	291946
NCBI GeneID	1815
Molecular Weight	48,361 Da
NCBI Official Full Name	dopamine receptor D4
NCBI Official Synonym Full Names	dopamine receptor D4
NCBI Official Symbol	DRD4
NCBI Official Synonym Symbols	D4DR
NCBI Protein Information	D(4) dopamine receptor; D(4) dopamine receptor; dopamine D4 receptor; D(2C) dopamine receptor; seven transmembrane helix receptor
UniProt Protein Name	D(4) dopamine receptor
UniProt Gene Name	DRD4
UniProt Entry Name	DRD4_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/drd4-rat-elisa-kits/dopamine-receptor-d4/83350>