

Bovine Dopamine Receptor D2 ELISA Kit | DRD2 elisa kit

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CATALOG #
AAA96208

REACTIVITY
Bovine

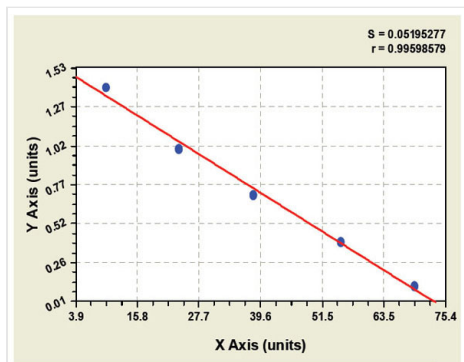
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

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

IMAGES



ADDITIONAL INFORMATION

Related Product Information for DRD2 elisa kit

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.

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.

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Online datasheet: <https://stage.aaabiotech.com/drd2-bovine-ovine-elisa-kits/dopamine-receptor-d2/96208>