

Rat Dopamine Beta Hydroxylase ELISA Kit | DBH elisa kit

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CATALOG #
AAA84840

REACTIVITY
Rat

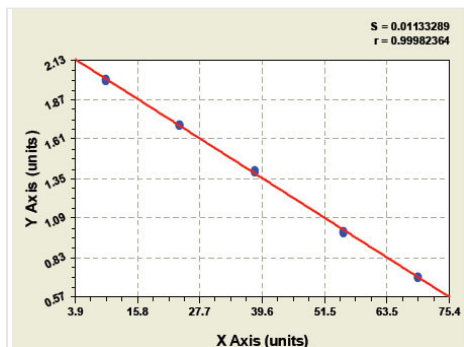
PRODUCT SYNONYMS

Dopamine Beta Hydroxylase; Rat Dopamine Beta Hydroxylase ELISA Kit; DBH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This DBH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DBH. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for DBH elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	116534900
NCBI GeneID	1621
NCBI Accession #	NP_000778.3
NCBI GenBank Nucleotide #	NM_000787.3
Molecular Weight	69,065 Da
NCBI Official Full Name	dopamine beta-hydroxylase
NCBI Official Synonym Full Names	dopamine beta-hydroxylase (dopamine beta-monoxygenase)
NCBI Official Symbol	DBH
NCBI Official Synonym Symbols	DBM
NCBI Protein Information	dopamine beta-hydroxylase
UniProt Protein Name	Dopamine beta-hydroxylase
UniProt Gene Name	DBH
UniProt Entry Name	DOPO_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/dbh-rat-elisa-kits/dopamine-beta-hydroxylase/84840>