

Mouse Dopamine Beta Hydroxylase ELISA Kit | DBH elisa kit

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CATALOG #
AAA84053

REACTIVITY
Mouse

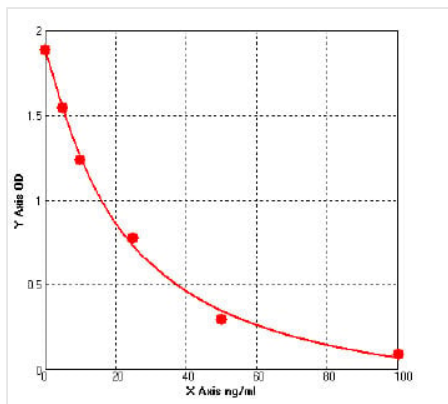
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DBH. No significant cross-reactivity or interference between DBH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DBH and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DBH elisa kit	Intended Uses: This DBH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DBH. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: DBH ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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.
Product Categories/Family for DBH elisa kit	Neurobiology

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-mouse-elisa-kits/dopamine-beta-hydroxylase/84053>