

Porcine Dopamine Beta Hydroxylase ELISA Kit | DBH elisa kit

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CATALOG #
AAA88997

REACTIVITY
Porcine

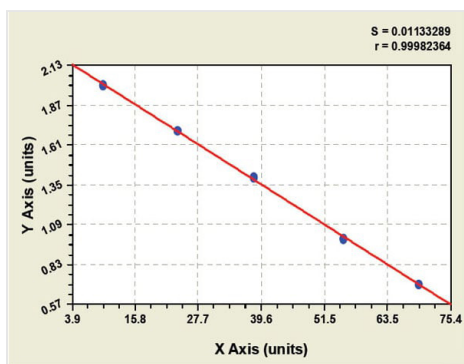
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This DBH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine DBH. 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 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.

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-porcine-elisa-kits/dopamine-beta-hydroxylase/88997>