

Human Dopamine beta Hydroxylase ELISA Kit | DBH elisa kit

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CATALOG #
AAA84927

REACTIVITY
Human

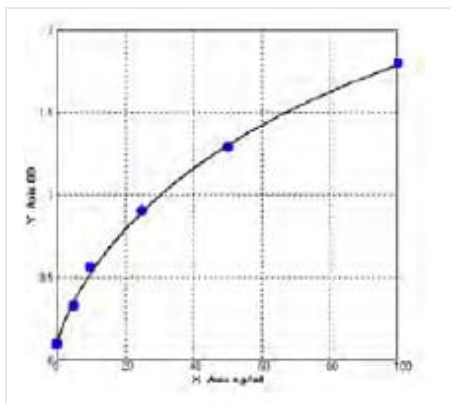
PRODUCT SYNONYMS

Dopamine beta Hydroxylase; Human Dopamine beta Hydroxylase ELISA Kit; Human Dopamine b Hydroxylase ELISA Kit; DBH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of DbetaH. No significant cross-reactivity or interference between DbetaH and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DbetaH 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 Sandwich
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 DbetaH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DbetaH. This ELISA kit for research use only! Principle of the Assay: DbetaH ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for DbetaH. Standards or samples are then added to the microtiter plate wells and DbetaH if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of DbetaH present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for DbetaH are added to each well to "sandwich" the DbetaH immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain DbetaH and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DbetaH 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-monooxygenase)
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-human-elisa-kits/dopamine-beta-hydroxylase/84927>