

Guinea Pig Dopamine decarboxylase ELISA Kit | DDC elisa kit

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CATALOG #
AAA82312

REACTIVITY
Guinea Pig

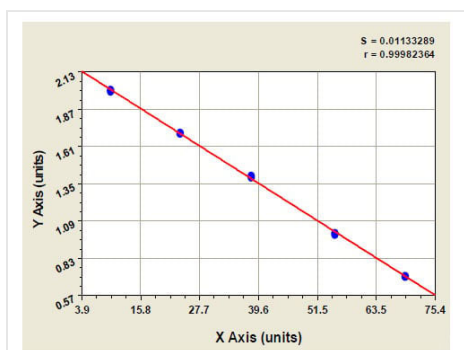
PRODUCT SYNONYMS

Dopamine decarboxylase; Guinea pig Dopamine decarboxylase ELISA Kit; DDC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ?g/mL.
Intended Uses	This DDC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig DDC. 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 DDC elisa kit

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

Product Categories/Family for DDC elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	48145565
NCBI GeneID	1644
UniProt Accession #	Q6IBS8; P20711
Molecular Weight	53,880 Da
NCBI Official Full Name	DDC
NCBI Official Synonym Full Names	dopa decarboxylase (aromatic L-amino acid decarboxylase)
NCBI Official Symbol	DDC
NCBI Official Synonym Symbols	AADC
NCBI Protein Information	aromatic-L-amino-acid decarboxylase
UniProt Protein Name	DDC protein
UniProt Gene Name	DDC
UniProt Entry Name	Q6IBS8_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/ddc-guinea-pig-pig-elisa-kits/dopamine-decarboxylase/82312>