

Rat Dopa Decarboxylase (DDC) ELISA Kit | Ddc elisa kit

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CATALOG #
AAA219808

REACTIVITY
Rat

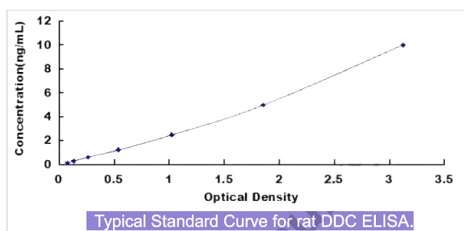
PRODUCT SYNONYMS

Dopa Decarboxylase (DDC); Rat Dopa Decarboxylase (DDC) ELISA Kit; AADC; Aromatic L-Amino Acid Decarboxylase; DOPA decarboxylase; Ddc elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of DDC. No significant cross-reactivity or interference between DDC and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.065ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DDC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DDC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ddc elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DDC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DDC. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DDC, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of DDC in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DDC in rat tissue homogenates, cell lysates or other biological fluids.

Product Categories/Family for Ddc elisa kit	Traditional ELISA Kit
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NCBI AND UNIPROT INFORMATION

NCBI GI #	399498500
NCBI GeneID	24311
NCBI Accession #	NP_001257781.1
NCBI GenBank Nucleotide #	NM_001270852.1
UniProt Accession #	P14173; Q6LEG4
Molecular Weight	54,053 Da
NCBI Official Full Name	aromatic-L-amino-acid decarboxylase isoform a
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; L-Dopa decarboxylase
UniProt Protein Name	Aromatic-L-amino-acid decarboxylase
UniProt Gene Name	Ddc
UniProt Synonym Gene Names	AADC; DDC
UniProt Entry Name	DDC_RAT

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/rat-elisa-kits/dopa-decarboxylase-ddc/219808>