

Mouse Dopa Decarboxylase (DDC) ELISA Kit | DDC elisa kit

Mouse Dopa Decarboxylase (DDC)(Sandwich ELISA) ELISA Kit

CATALOG # AAA189589	REACTIVITY Mouse	APPLICATIONS ELISA
-------------------------------	----------------------------	------------------------------

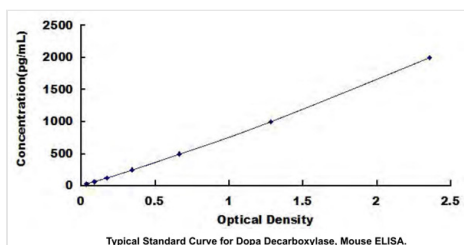
PRODUCT SYNONYMS

Dopa Decarboxylase (DDC); Mouse Dopa Decarboxylase (DDC)(Sandwich ELISA) ELISA Kit; ELISA Kit for Dopa Decarboxylase (DDC); DDC/Dopa Decarboxylase; AADC; Aromatic L-Amino Acid Decarboxylase; DOPA decarboxylase; DDC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of dopa decarboxylase. No significant cross-reactivity or interference between dopa decarboxylase and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	< 11.2pg/mL
Applicable Applications for DDC elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level dopa decarboxylase 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 dopa decarboxylase were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DDC elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to dopa decarboxylase. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to dopa decarboxylase. 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 dopa decarboxylase, 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 ± 10nm. The concentration of dopa decarboxylase 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 in vitro quantitative measurement of dopa decarboxylase in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for DDC elisa kit	Tumor immunity; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	299522784
NCBI GeneID	13195
NCBI Accession #	NP_001177377.1
NCBI GenBank Nucleotide #	NM_001190448.1
UniProt Accession #	O88533
Molecular Weight	53,874 Da
NCBI Official Full Name	aromatic-L-amino-acid decarboxylase
NCBI Official Synonym Full Names	dopa decarboxylase
NCBI Official Symbol	Ddc
NCBI Official Synonym Symbols	Aadc
NCBI Protein Information	aromatic-L-amino-acid decarboxylase
UniProt Protein Name	Aromatic-L-amino-acid decarboxylase
UniProt Gene Name	Ddc
UniProt Synonym Gene Names	AADC; DDC
UniProt Entry Name	DDC_MOUSE

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.