

Mouse Dopachrome Tautomerase (DCT) ELISA Kit | DCT elisa kit

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CATALOG #
AAA149076

REACTIVITY
Mouse

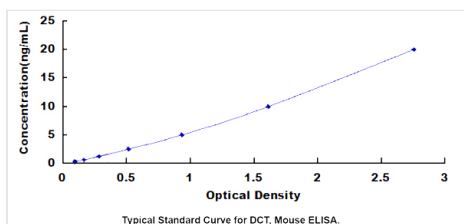
PRODUCT SYNONYMS

Dopachrome Tautomerase (DCT); Mouse Dopachrome Tautomerase (DCT) ELISA Kit; TYRP2; TRP-2; DT; Dopachrome Delta-Isomerase; Tyrosine-Related Protein 2; L-dopachrome Delta-isomerase; DCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DCT. No significant cross-reactivity or interference between DCT and analogues was observed.
Sequence Length	98
Assay Type	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DCT 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 DCT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 DCT elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to DCT. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to DCT. 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 DCT, 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 DCT 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 DCT in mouse tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for DCT elisa kit	Enzyme & Kinase; Tumor immunity; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	1050251
NCBI GeneID	1638
Molecular Weight	62,929 Da
NCBI Official Full Name	dopachrome tautomerase, partial
NCBI Official Synonym Full Names	dopachrome tautomerase
NCBI Official Symbol	DCT
NCBI Official Synonym Symbols	TRP-2; TYRP2
NCBI Protein Information	L-dopachrome tautomerase
UniProt Protein Name	L-dopachrome tautomerase
UniProt Gene Name	DCT
UniProt Synonym Gene Names	TYRP2; DCT; DT; TRP-2; TRP2

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/mouse-elisa-kits/dopachrome-tautomerase-dct/149076>