

Mouse D-Dopachrome Tautomerase (DDT) ELISA Kit | DDT elisa kit

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CATALOG #
AAA66056

REACTIVITY
Mouse

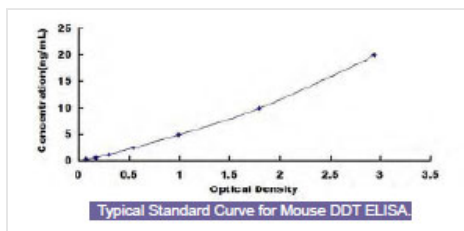
PRODUCT SYNONYMS

D-Dopachrome Tautomerase (DDT); Mouse D-Dopachrome Tautomerase (DDT) ELISA Kit; DDCT; D-Dopachrome Decarboxylase; Phenylpyruvate tautomerase II; DDT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DDT. No significant cross-reactivity or interference between DDT and analogues was observed.
Sequence Length	118
Samples	Mouse tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.141ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DDT 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 DDT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DDT elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of DDT in mouse tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to DDT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to DDT. 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 DDT, 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 DDT in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6753618
NCBI GeneID	13202
NCBI Accession #	NP_034157.1
NCBI GenBank Nucleotide #	NM_010027.1
UniProt Accession #	O35215
Molecular Weight	13,077 Da
NCBI Official Full Name	D-dopachrome decarboxylase
NCBI Official Synonym Full Names	D-dopachrome tautomerase
NCBI Official Symbol	Ddt
NCBI Official Synonym Symbols	C78655
NCBI Protein Information	D-dopachrome decarboxylase
UniProt Protein Name	D-dopachrome decarboxylase
UniProt Gene Name	Ddt

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.