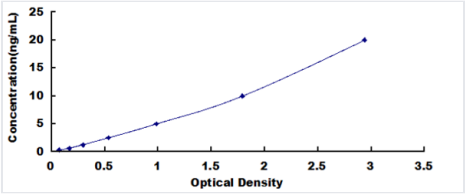
D-Dopachrome Tautomerase (DDT) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	D-Dopachrome Tautomerase (DDT), ELISA Kit
Full Product Name	Human D-Dopachrome Tautomerase (DDT) ELISA Kit
Product Gene Name	DDT elisa kit
Product Synonym Names	DDCT; D-Dopachrome Decarboxylase; Phenylpyruvate tautomerase II
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.114ng/mL
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.
Molecular Weight	11,323 Da
OMIM	U49785 mRNA
3D Structure	ModBase 3D Structure for P30046
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DDT elisa kit	MBS451846 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the D-Dopachrome Tautomerase (DDT) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing DDT. The ELISA analytical biochemical technique of the MBS451846 kit is based on DDT antibody-DDT antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DDT antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DDT. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of DDT elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Typical Testing Data/Standard Curve (for reference only) of DDT elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDT. It may not necessarily be applicable to this product.

NCBI GI #	145386531
NCBI GeneID	1652
NCBI Accession #	NP_001077861.1
UniProt Primary Accession #	P30046
UniProt Secondary Accession #	O00774; O60787; Q13534; B7Z522
UniProt Related Accession #	P30046
GenBank Nucleotide #	NM_001084392.1
NCBI Official Full Name	D-dopachrome decarboxylase
NCBI Official Synonym Full Names	D-dopachrome tautomerase
NCBI Official Symbol	DDT
NCBI Official Synonym Symbols	DDCT
UniProt Protein Name	D-dopachrome decarboxylase
UniProt Synonym Protein Names	D-dopachrome tautomerase; Phenylpyruvate tautomerase II
Protein Family	D-dopachrome decarboxylase
UniProt Gene Name	DDT
NCBI Protein Information	D-dopachrome decarboxylase
NCBI Summary for DDT	D-dopachrome tautomerase converts D-dopachrome into 5,6-dihydroxyindole. The DDT gene is related to the migration inhibitory factor (MIF) in terms of sequence, enzyme activity, and gene structure. DDT and MIF are closely linked on chromosome 22. [provided by RefSeq, Jul 2008]
UniProt Comments for DDT	Tautomerization of D-dopachrome with decarboxylation to give 5,6-dihydroxyindole (DHI).
Research Articles on DDT	**1.** Gene expression level of DDT is significantly higher in AD patients when compared to normal controls.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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