

Human Dopachrome tautomerase ELISA Kit | DT elisa kit

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CATALOG #
AAA83310

REACTIVITY
Human

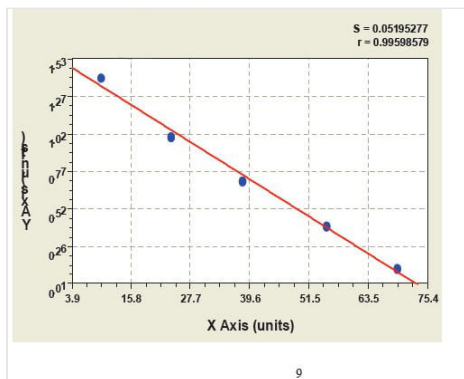
PRODUCT SYNONYMS

Dopachrome tautomerase; Human Dopachrome tautomerase ELISA Kit; DT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This DT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DT elisa kit

Principle of the Assay: DT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-DT antibody and an DT-HRP conjugate. The assay sample and buffer are incubated together with DT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DT concentration since DT from samples and DT-HRP conjugate compete for the anti-DT antibody binding site. Since the number of sites is limited, as more sites are occupied by DT from the sample, fewer sites are left to bind DT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DT concentration in each sample is interpolated from this standard curve.

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; DT; TRP2; dopachrome delta-isomerase; tyrosine-related protein 2; L-dopachrome Delta-isomerase; tyrosinase-related protein 2; dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)
UniProt Protein Name	L-dopachrome tautomerase
UniProt Gene Name	DCT
UniProt Synonym Gene Names	TYRP2; DCT; DT; TRP-2; TRP2
UniProt Entry Name	TYRP2_HUMAN

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.