

Human Thymidylate Synthetase (TYMS) ELISA Kit | TYMS elisa kit

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CATALOG #
AAA63682

REACTIVITY
Human

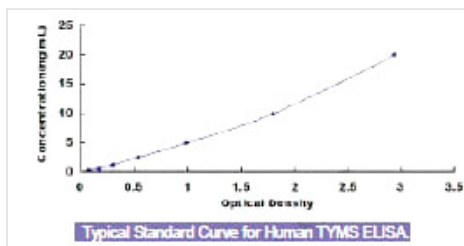
PRODUCT SYNONYMS

Thymidylate Synthetase (TYMS); Human Thymidylate Synthetase (TYMS) ELISA Kit; TGN38 homolog; TGN46; TGN48; TGN51; TGOLN2; Trans-Golgi network integral membrane protein 2; Trans-Golgi network protein TGN51; TYMS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TYMS. No significant cross-reactivity or interference between TYMS and analogues was observed.
Sequence Length	313
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.128ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TYMS 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 TYMS 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 TYMS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TYMS in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TYMS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TYMS. 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 TYMS, 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 TYMS 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 #	4507751
NCBI GeneID	7298
NCBI Accession #	NP_001062.1
NCBI GenBank Nucleotide #	NM_001071.2
UniProt Accession #	P04818; Q8WYK3; Q8WYK4
Molecular Weight	26,140 Da
NCBI Official Full Name	thymidylate synthase
NCBI Official Synonym Full Names	thymidylate synthetase
NCBI Official Symbol	TYMS
NCBI Official Synonym Symbols	TS; TMS; HST422
NCBI Protein Information	thymidylate synthase
UniProt Protein Name	Thymidylate synthase
UniProt Gene Name	TYMS
UniProt Synonym Gene Names	TS; TS; TSase

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.