

Human Thymidine Phosphorylase (TP) ELISA Kit | TP elisa kit

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CATALOG #
AAA184201

REACTIVITY
Human

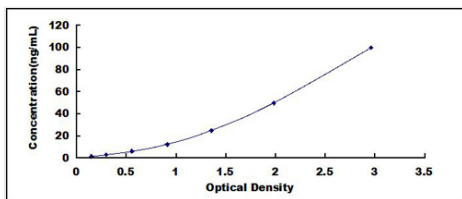
PRODUCT SYNONYMS

Thymidine Phosphorylase (TP); Human Thymidine Phosphorylase (TP) ELISA Kit; TYMP; PDECGF; ECGF1; MNGIE; TP; HPD-ECGF; TdRPase; Platelet-Derived Endothelial Cell Growth Factor; Gliostatin; TP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Thymidine Phosphorylase (TP). No significant cross-reactivity or interference between Thymidine Phosphorylase (TP) and analogues was observed.
Sequence Length	487
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.56ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Thymidine Phosphorylase (TP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Thymidine Phosphorylase (TP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 TP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Thymidine Phosphorylase (TP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Thymidine Phosphorylase (TP). 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 Thymidine Phosphorylase (TP), 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 Thymidine Phosphorylase (TP) 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 #	166158925
NCBI GeneID	1890
NCBI Accession #	NP_001107228.1
NCBI GenBank Nucleotide #	NM_001113756.2
UniProt Accession #	P19971; Q13390; Q8WVB7; A8MW15; H9KVA0
Molecular Weight	50,405 Da
NCBI Official Full Name	thymidine phosphorylase isoform 1
NCBI Official Synonym Full Names	thymidine phosphorylase
NCBI Official Symbol	TYMP
NCBI Official Synonym Symbols	TP; ECGF; ECGF1; MNGIE; MEDPS1; MTDPS1; PDECGF; hPD-ECGF
NCBI Protein Information	thymidine phosphorylase
UniProt Protein Name	Thymidine phosphorylase
UniProt Gene Name	TYMP
UniProt Synonym Gene Names	ECGF1; TP; PD-ECGF

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.