

Human Thymidine phosphorylase ELISA Kit | TP elisa kit

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 CATALOG #
AAA86757

 REACTIVITY
Human

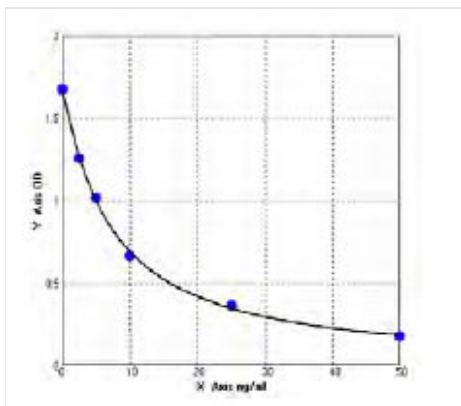
PRODUCT SYNONYMS

Thymidine phosphorylase; Human Thymidine phosphorylase ELISA Kit; TP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TP. No significant cross-reactivity or interference between TP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TP elisa kit	Intended Uses: This TP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TP. This ELISA kit for research use only! Principle of the Assay: TP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TP antibody and an TP-HRP conjugate. The assay sample and buffer are incubated together with TP-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 TP concentration since TP from samples and TP-HRP conjugate compete for the anti-TP antibody binding site. Since the number of sites is limited, as more sites are occupied by TP from the sample, fewer sites are left to bind TP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TP concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	384229049
NCBI GeneID	1890
NCBI Accession #	NP_001244917.1
NCBI GenBank Nucleotide #	NM_001257988.1
Molecular Weight	50,405 Da
NCBI Official Full Name	thymidine phosphorylase isoform 1 proprotein
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; tdrPase; gliostatin
UniProt Protein Name	Thymidine phosphorylase
UniProt Gene Name	TYMP
UniProt Synonym Gene Names	ECGF1; TP; PD-ECGF
UniProt Entry Name	TYPH_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.