

Human Thymidinephosphorylase (TP) ELISA Kit | TP elisa kit

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CATALOG #
AAA330334

REACTIVITY
Human

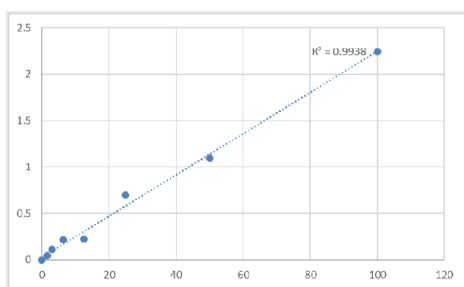
PRODUCT SYNONYMS

Thymidinephosphorylase (TP); Human Thymidinephosphorylase (TP) ELISA Kit; TYMP; ECGF1; MNGIE; PDECGF; TP; hPD-ECGF; OTTHUMP00000196769; endothelial cell growth factor 1 (platelet-derived); gliostatin; TP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Thymidinephosphorylase (TP) ELISA Kit has high sensitivity and excellent specificity for detection of Human TYMP. No significant cross-reactivity or interference between Human TYMP and analogues was observed.
Sequence Length	482
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Thymidinephosphorylase (TP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TP elisa kit	Description: This Human Thymidinephosphorylase (TP) ELISA Kit employs a two-site sandwich ELISA to quantitate TYMP in samples. An antibody specific for TYMP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TYMP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TYMP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TYMP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Platelet-derived endothelial cell growth factor is a novel angiogenic factor distinct from the previously described endothelial cell mitogens of the fibroblast growth factor family. PD-ECGF, which is stored in platelets as a 45-kD single polypeptide chain, has a highly restricted target cell specificity acting only on endothelial cells. It promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. Cloning of the gene revealed that it contains 10 exons spanning more than 4.3 kb.Using an ECGF1 cDNA probe, Stenman et al. assigned the ECGF1 gene to chromosome 22 by analysis of its segregation in a panel of human/rodent somatic cell hybrids. By in situ hybridization, they sublocalized the gene to 22q13.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166158925
NCBI GeneID	1890
NCBI Accession #	NP_001107228.1
NCBI GenBank Nucleotide #	NP_001107228.1
UniProt Accession #	P19971
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
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.