

Human Triosephosphate isomerase ELISA Kit | TPI1 elisa kit

Human Triosephosphate isomerase ELISA Kit

CATALOG #
AAA101048

REACTIVITY
Human

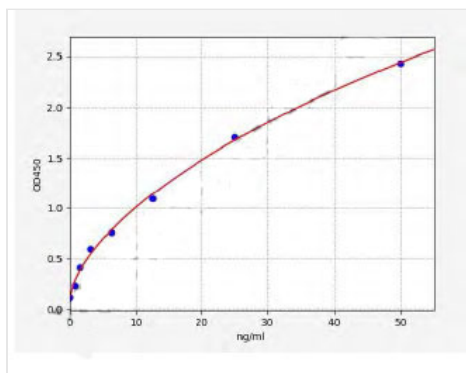
PRODUCT SYNONYMS

Triosephosphate isomerase; Human Triosephosphate isomerase ELISA Kit; TIM (Triosephosphate isomerase)/TPI1/TPI/Triose-phosphate isomerase; TPI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TPI1. No significant cross-reactivity or interference between TPI1 and analogues was observed.
Sequence Length	254
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPI1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	15233272
NCBI GeneID	824710
NCBI Accession #	NP_191104.1
NCBI GenBank Nucleotide #	NM_115402.3
Molecular Weight	27,169 Da
NCBI Official Full Name	triosephosphate isomerase
NCBI Official Symbol	TPI
NCBI Official Synonym Symbols	ATCTIMC; CYTOSOLIC ISOFORM TRIOSE PHOSPHATE ISOMERASE; CYTOSOLIC TRIOSE PHOSPHATE ISOMERASE; CYTOTPI; TPI; triosephosphate isomerase; TRIOSEPHOSPHATE ISOMERASE
NCBI Protein Information	triosephosphate isomerase
UniProt Protein Name	Triosephosphate isomerase, cytosolic
UniProt Gene Name	CTIMC
UniProt Synonym Gene Names	TIM; Triose-phosphate isomerase
UniProt Entry Name	TPIS_ARATH

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.