

Human Triosephosphate isomerase (TPI1) ELISA Kit | TPI1 elisa kit

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CATALOG #
AAA244538

REACTIVITY
Human

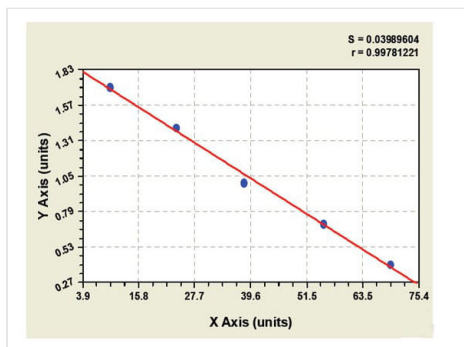
PRODUCT SYNONYMS

Triosephosphate isomerase (TPI1); Human Triosephosphate isomerase (TPI1) ELISA Kit; TPI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This TPI1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TPI1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPI1 elisa kit

Principle of the assay: TPI1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TPI1 antibody and an TPI1-HRP conjugate. The assay sample and buffer are incubated together with TPI1-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 TPI1 concentration since TPI1 from samples and TPI1-HRP conjugate compete for the anti-TPI1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TPI1 from the sample, fewer sites are left to bind TPI1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TPI1 concentration in each sample is interpolated from this standard curve.

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	At3g55440; T22E16.100; 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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/triosephosphate-isomerase-tpi1/244538>