

Mouse Triosephosphate Isomerase (TPI1) ELISA Kit | TPI1 elisa kit

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CATALOG #
AAA332081

REACTIVITY
Mouse

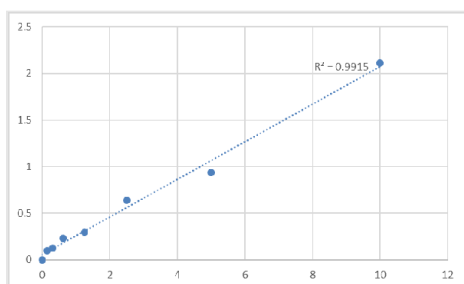
PRODUCT SYNONYMS

Triosephosphate Isomerase (TPI1); Mouse Triosephosphate Isomerase (TPI1) ELISA Kit; TPI1; MGC88108; TPI; TPI1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Triosephosphate isomerase (TPI1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TPI1. No significant cross-reactivity or interference between Mouse TPI1 and analogues was observed.
Sequence Length	299
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. Mouse Triosephosphate isomerase (TPI1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TPI1 elisa kit	Description: This Mouse Triosephosphate isomerase (TPI1) ELISA Kit employs a two-site sandwich ELISA to quantitate TPI1 in samples. An antibody specific for TPI1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPI1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPI1 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 TPI1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TPI1 encodes an enzyme, consisting of two identical proteins, which catalyzes the isomerization of glyceraldehydes 3-phosphate (G3P) and dihydroxy-acetone phosphate (DHAP) in glycolysis and gluconeogenesis. Mutations in this gene are associated with triosephosphate isomerase deficiency. Pseudogenes have been identified on chromosomes 1, 4, 6 and 7. Alternative splicing results in multiple transcript variants. Spliceosomal introns are present in the nuclear protein-coding genes of most eukaryotic organisms, but they have not been detected in several eukaryotic protist phyla or in eubacteria, archaeobacteria, and organelles. Two major theories had emerged in the continuing debate on the origin of these introns.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226958349
NCBI GeneID	21991
NCBI Accession #	NP_033441.2
NCBI GenBank Nucleotide #	NP_033441.2
UniProt Accession #	P17751
NCBI Official Full Name	triosephosphate isomerase
NCBI Official Synonym Full Names	triosephosphate isomerase 1
NCBI Official Symbol	Tpi1
NCBI Official Synonym Symbols	TIM; Tpi; Tpi-1; AI255506
NCBI Protein Information	triosephosphate isomerase
UniProt Protein Name	Triosephosphate isomerase
UniProt Gene Name	Tpi1
UniProt Synonym Gene Names	Tpi; TIM

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.