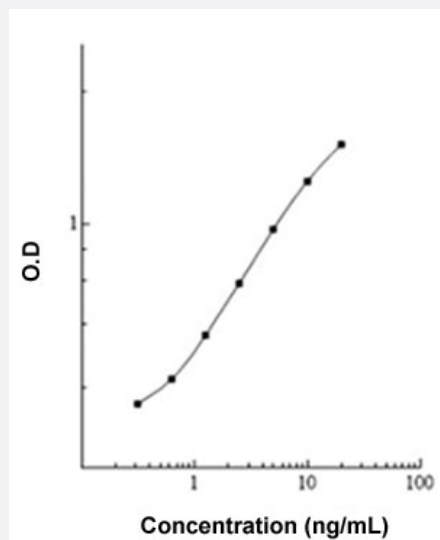


# TPI1 (Human) ELISA Kit

Catalog # KA6021

Size 1 Kit

## Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

|                            |  |
|----------------------------|--|
| <b>Product Description</b> | TPI1 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human TPI1. |
| <b>Suitable Sample</b>     | Cell Culture Supernates, Cell Lysate, Milk, Plasma, Serum.   |
| <b>Sample Volume</b>       | 50 $\mu$ L   |
| <b>Label</b>               | Peroxidase-conjugated  |
| <b>Detection Method</b>    | Colorimetric   |
| <b>Assay Type</b>          | Quantitative   |
| <b>Calibration Range</b>   | 0.313 to 20 ng/mL  |
| <b>Reactivity</b>          | Human  |
| <b>Regulatory Status</b>   | For research use only (RUO)  |

**Quality Control Testing**

## Standard curve

The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

**Storage Instruction**

Store components of the kit at 4°C or -20°C as described in the protocol.

## Applications

- Quantification

## Gene Info — TPI1

**Entrez GeneID**[7167](#)**Protein Accession#**[P60174](#)**Gene Name**

TPI1

**Gene Alias**

MGC88108, TPI

**Gene Description**

triosephosphate isomerase 1

**Omim ID**[190450](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene 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. [provided by RefSeq]

**Other Designations**

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## Pathway

- [Carbon fixation in photosynthetic organisms](#)
- [Fructose and mannose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Inositol phosphate metabolism](#)

- [Metabolic pathways](#)

## Disease

- [Malaria](#)