

For Research Use Only

# TPI1 Monoclonal antibody

Catalog Number: 60036-1-Ig



## Basic Information

<b>Catalog Number:</b> 60036-1-Ig	<b>GenBank Accession Number:</b> BC007086	<b>Purification Method:</b> Thiophilic affinity chromatograph
<b>Size:</b> Source: Mouse	<b>GeneID (NCBI):</b> 7167	<b>CloneNo.:</b> 1G2E9
<b>Isotype:</b> IgM	<b>UNIPROT ID:</b> P60174	
<b>Immunogen Catalog Number:</b> AG1175	<b>Full Name:</b> triosephosphate isomerase 1	
	<b>Calculated MW:</b> 27 kDa	

## Applications

**Tested Applications:**  
ELISA

**Species Specificity:**  
human, mouse

## Background Information

TPI1 (Triosephosphate isomerase) is also named as TIM, TPI and belongs to the triosephosphate isomerase family. It is a key enzyme in cell metabolism that controls the glycolytic flow and energy production through the interconversion of dihydroxyacetone phosphate (DHAP) and D-glyceraldehyde 3-phosphate (G3P) (PMID:19251756). Defects in TPI1 are the cause of triosephosphate isomerase deficiency (TPI deficiency). It can exist as a homodimer (PMID:18562316).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## Selected Validation Data