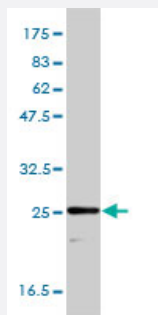


TPI1 monoclonal antibody (M01), clone 1D10-2E2

Catalog # H00007167-M01

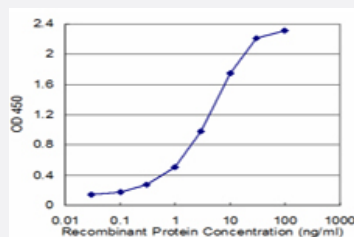
Size 100 ug

Applications



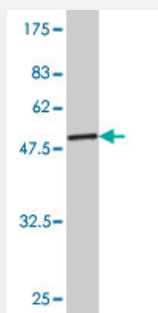
Western Blot (Cell lysate)

TPI1 monoclonal antibody (M01), clone 1D10-2E2 Western Blot analysis of TPI1 expression in HepG2 (Cat # L019V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TPI1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (53.13 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant TPI1.

Immunogen	TPI1 (AAH07086.1, 1 a.a. ~ 249 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAPSRKFFVGGNWKMNQRKQSLGELIGTLNAAKVPADTEVVCAPPTAYIDFARQKLDPKIAVAAQ NCYKVTNGAFTGEISPGMIKDCGATWVVLGHSERRHVFGESEDELIGQKVAHALAEGLGVIACIGEK LDEREAGITEKVVFEQTKVIADNVKDWKVVLAYEPVWAIGTGKTATPQQAQEVHEKLRGWLKS NVSDAVAQSTRIYGGSVTGATCKELASQPDVDGFLVGGASLKPEFVDTINAKQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (94)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (53.13 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

TPI1 monoclonal antibody (M01), clone 1D10-2E2 Western Blot analysis of TPI1 expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TPI1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — TPI1

Entrez GeneID	7167
GeneBank Accession#	BC007086
Protein Accession#	AAH07086.1
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	-

Publication Reference

- [Serum Analysis of Women with Early-Stage Breast Cancer Using a Mini-Array of Tumor-Associated Antigens.](#)

Alma Rosa Oaxaca-Camacho, Oscar René Ochoa-Mojica, Adriana Aguilar-Lemarroy, Luis F Jave-Suárez, José Francisco Muñoz-Valle, Eduardo Padilla-Camberos, Juan Antonio Núñez-Hernández, Sara E Herrera-Rodríguez, Moisés Martínez-Velázquez, Ahtziri Socorro Carranza-Aranda, José Alfonso Cruz-Ramos, Abel Gutiérrez-Ortega, Rodolfo Hernández-Gutiérrez. Biosensors 2020 Oct; 10(10):149.

Application: Dot, WB, Human, Serum from women with early-stage breast cancer

- [Impact of cisplatin administration on protein expression levels in renal cell carcinoma: A proteomic analysis.](#)

Vasko R, Mueller GA, von Jaschke AK, Asif AR, Dihazi H. European Journal of Pharmacology 2011 Nov; 670(1):50.

Application: WB-Ce, Human, LN78 cells

- [Proteomic Analysis of Butyrate Effects and Loss of Butyrate Sensitivity in HT29 Colorectal Cancer Cells.](#)

Fung KY, Lewanowitsch T, Henderson ST, Priebe I, Hoffmann P, Lockett T, Head R, Cosgrove LJ. Journal of Proteome Research 2009 Mar; 8(3):1220.

Application: WB-Ce, Human, HT-29 cells

- [Proteome of human T lymphocytes with treatment of cyclosporine and polysaccharopeptide: Analysis of significant proteins that manipulate T cells proliferation and immunosuppression.](#)

Lee CL, Jiang PP, Sit WH, Wan JM.

International Journal of Immunopharmacology 2007 Jun; 7(10):1311.

Application: WB, Human, Human T cells

Pathway

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

Disease

- [Malaria](#)