

Anti-Mannose Phosphate Isomerase Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

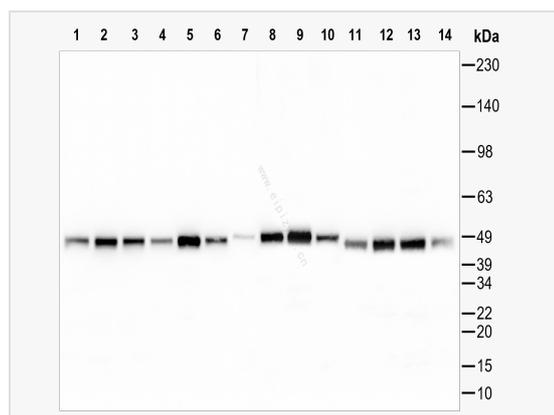
Catalog # M011823

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	15K89K18
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Mannose Phosphate Isomerase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Mannose Phosphate Isomerase Mouse mAb [15K89K18] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	PMI1; CDG1B; FLJ39201; Mannose 6 phosphate isomerase; Mannose-6-phosphate isomerase; MANNOSEPHOSPHATE ISOMERASE; MGC94106; MPI; MPI_HUMAN; Phosphohexomutase; phosphomannose isomerase 1; Phosphomannose isomerase; PMI.
Calculated MW	Calculated MW: 47 kDa; Observed MW: 47 kDa
Uniprot ID	P34949
Gene ID	4351
Background	Phosphomannose isomerase catalyzes the interconversion of fructose-6-phosphate and mannose-6-phosphate and plays a critical role in maintaining the supply of D-mannose derivatives, which are required for most glycosylation reactions. Mutations in the MPI gene were found in patients with carbohydrate-deficient glycoprotein syndrome, type Ib. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Cellular Location	Cytoplasm
Tissue Location	Expressed in all tissues, but more abundant in heart, brain and skeletal muscle.



Western Blot - Anti-Mannose Phosphate Isomerase Mouse mAb [15K89K18]

All lanes: M011823 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 5: 293T (Human embryonic kidney cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 8: Mouse brain whole tissue lysates

Lane 9: Mouse heart whole tissue lysates

Lane 10: Mouse liver whole tissue lysates

Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 12: Rat brain whole tissue lysates

Lane 13: Rat heart whole tissue lysates

Lane 14: Rat liver whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 47 kDa

Observed band size: 47 kDa

Developed using the ECL technique (Cat. No. SQ201).