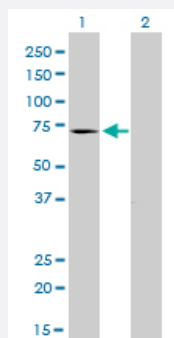


MTM1 monoclonal antibody (M01), clone 1C10

Catalog # H00004534-M01

Size 100 ug

Applications

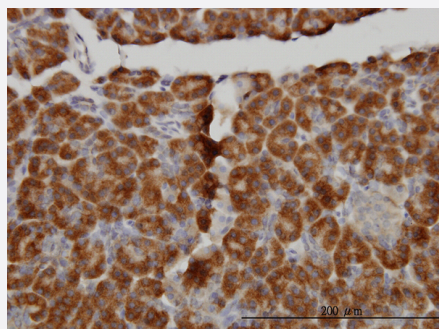


Western Blot (Transfected lysate)

Western Blot analysis of MTM1 expression in transfected 293T cell line by MTM1 monoclonal antibody (M01), clone 1C10.

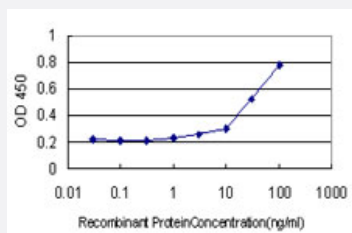
Lane 1: MTM1 transfected lysate(69.9 KDa).

Lane 2: Non-transfected lysate.



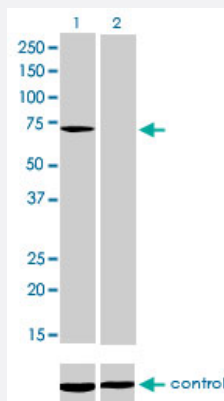
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MTM1 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 3 ug/ml]



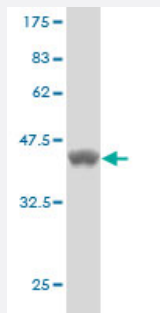
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MTM1 is approximately 1ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of MTM1 over-expressed 293 cell line, cotransfected with MTM1 Validated Chimera RNAi (Cat # H00004534-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MTM1 monoclonal antibody (M01), clone 1C10 (Cat # H00004534-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MTM1.
Immunogen	MTM1 (AAH30779, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MASASTSKYNSHSLLENESIKRTSRDGVNRDLTEAVPRLPGETLITDKEVMICPFNGPIKGRVYITNYR LYLRSLETDSSLILDVPLGVISRIEKMGGAT
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 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 (Transfected lysate)

Western Blot analysis of MTM1 expression in transfected 293T cell line by MTM1 monoclonal antibody (M01), clone 1C10.

Lane 1: MTM1 transfected lysate(69.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MTM1 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MTM1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of MTM1 over-expressed 293 cell line, cotransfected with MTM1 Validated Chimera RNAi (Cat # H00004534-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MTM1 monoclonal antibody (M01), clone 1C10 (Cat # H00004534-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — MTM1

Entrez GeneID	4534
---------------	----------------------

GeneBank Accession#	BC030779
---------------------	--------------------------

Protein Accession#	AAH30779
--------------------	--------------------------

Gene Name	MTM1
-----------	------

Gene Alias	CNM, MTMX, XLMTM
Gene Description	myotubularin 1
Omim ID	300415 310400
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a dual-specificity phosphatase that acts on both phosphotyrosine and phosphoserine. It is required for muscle cell differentiation and mutations in this gene have been identified as being responsible for X-linked myotubular myopathy. [provided by RefSeq]
Other Designations	myotubularin

Publication Reference

- [Novel findings associated with MTM1 suggest a higher number of female symptomatic carriers.](#)

Savarese M, Musumeci O, Giugliano T, Rubegni A, Fiorillo C, Fattori F, Torella A, Battini R, Rodolico C, Pugliese A, Piluso G, Maggi L, D'Amico A, Bruno C, Bertini E, Santorelli FM, Mora M, Toscano A, Minetti C, Nigro V.

Neuromuscular Disorders 2016 Apr; 26(4-5):292.

Application: WB-Ti, Human, Skeletal muscles

- [Myopathy in a woman and her daughter associated with a novel splice site MTM1 mutation.](#)

Hedberg C, Lindberg C, Mathe G, Moslemi AR, Oldfors A.

Neuromuscular Disorders 2012 Mar; 22(3):244.

Application: WB-Ti, Human, Skeletal muscle

Disease

- [Colorectal Neoplasms](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)