

For Research Use Only

MYOT Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87334-1-PBS



Basic Information

Catalog Number:	87334-1-PBS	GenBank Accession Number:	/	Purification Method:	Protein A purification
Source:	Rabbit	GeneID (NCBI):	9499	CloneNo.:	252646B7
Isotype:	IgG	UNIPROT ID:	Q9UBF9		
Immunogen Catalog Number:	EG6068	Full Name:	myotilin		
		Calculated MW:	55 kDa		
		Observed MW:	55-57 kDa		

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

Background Information

MYOT (myotilin) is a structural protein of the striated muscle Z-discs. It interacts with both actinin and filamin, forming a complex to maintain structural stability of muscles. In adult tissues, myotilin is mainly expressed in skeletal and cardiac muscles and in the peripheral nerves. Missense mutations of myotilin cause limb girdle muscular dystrophy 1A and some other myopathy.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

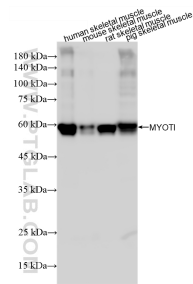
T: 4006900926

E: Proteintech-CN@ptglab.com

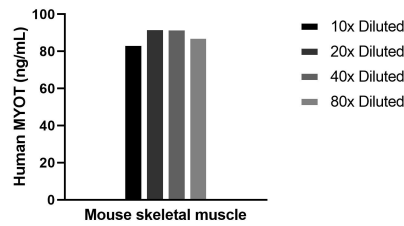
W: ptgcn.com

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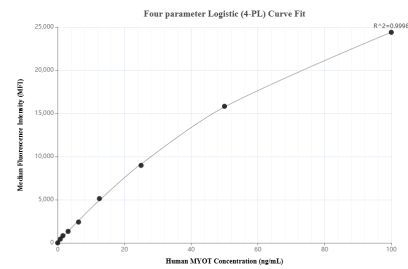
Selected Validation Data



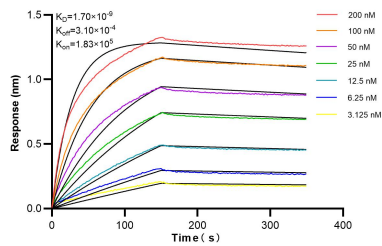
Various lysates were subjected to SDS PAGE followed by western blot with 87334-1-RR (MYOTI antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87334-1-PBS in a different storage buffer formulation.



The mean MYOT concentration was determined to be 89.1 ng/mL in Mouse skeletal muscle tissue extract based on a 4.1 mg/mL extract load.



Cytometric bead array standard curve of MP02976-1, MYOT Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87334-1-PBS. Detection antibody: 87334-2-PBS. Standard: Eg6068. Range: 0.781-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 87334-1-RR against Human MYOT were performed. The affinity constant is 1.70 nM.