

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9499	CloneNo.: 252646B7
Source: Rabbit	UNIPROT ID: Q9UBF9	
Isotype: IgG	Full Name: myotilin	
Immunogen Catalog Number: EG6068	Calculated MW: 55 kDa	
	Observed MW: 55-57 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

Product Information

87334-1-PBS targets MYOT as part of a matched antibody pair:

MP02976-1: 87334-1-PBS capture and 87334-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

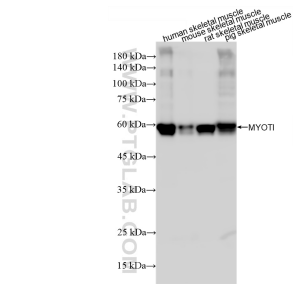
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

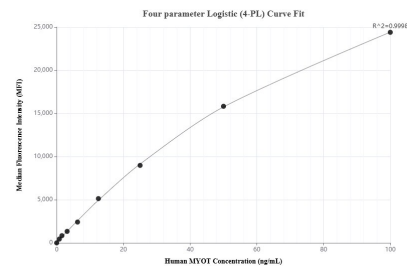
Selected Validation Data



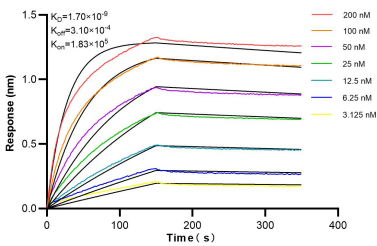
Various lysates were subjected to SDS PAGE followed by western blot with 87334-1-RR (MYOTI antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87334-1-PBS in a different storage buffer formulation.



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.