

## ARG59877 anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D]

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [NOQ7.5.4D] recognizes Slow Skeletal Myosin Heavy chain
Tested Reactivity	Hu, Ms, Rat, Rb
Tested Application	ELISA, EM, ICC/IF, IHC-P, RIA, WB
Host	Mouse
Clonality	Monoclonal
Clone	NOQ7.5.4D
Isotype	IgG1
Target Name	Slow Skeletal Myosin Heavy chain
Species	Human
Immunogen	Human skeletal muscle myosin purified from myofibrils.
Conjugation	Un-conjugated
Alternate Names	SPMD; MyHC-slow; SPMM; Myosin heavy chain 7; CMD1S; Myosin heavy chain, cardiac muscle beta isoform; MyHC-beta; MPD1; MYHCB; CMH1; Myosin heavy chain slow isoform; Myosin-7

### Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	EM	Assay-dependent
	ICC/IF	Assay-dependent
	IHC-P	1 - 2 µg/ml
	RIA	Assay-dependent
	WB	0.5 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

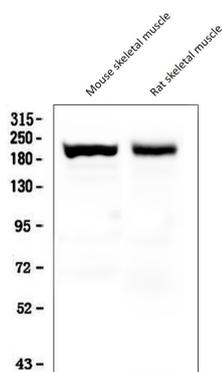
Form	Liquid
Purification	Unpurified.
Buffer	Ascites fluid, 1.2% Sodium acetate, 0.01% Sodium azide and 2% BSA.
Preservative	0.01% Sodium azide

Stabilizer	2% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	MYH7
Gene Full Name	myosin, heavy chain 7, cardiac muscle, beta
Background	Muscle myosin is a hexameric protein containing 2 heavy chain subunits, 2 alkali light chain subunits, and 2 regulatory light chain subunits. This gene encodes the beta (or slow) heavy chain subunit of cardiac myosin. It is expressed predominantly in normal human ventricle. It is also expressed in skeletal muscle tissues rich in slow-twitch type I muscle fibers. Changes in the relative abundance of this protein and the alpha (or fast) heavy subunit of cardiac myosin correlate with the contractile velocity of cardiac muscle. Its expression is also altered during thyroid hormone depletion and hemodynamic overloading. Mutations in this gene are associated with familial hypertrophic cardiomyopathy, myosin storage myopathy, dilated cardiomyopathy, and Laing early-onset distal myopathy. [provided by RefSeq, Jul 2008]
Function	Muscle contraction. [UniProt]
Calculated Mw	223 kDa
Cellular Localization	Cytoplasm, myofibril. Thick filaments of the myofibrils. [UniProt]

## Images



ARG59877 anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] WB image

Western blot: 50 µg of samples under reducing conditions. Mouse skeletal muscle and Rat skeletal muscle lysates stained with ARG59877 anti-Slow Skeletal Myosin Heavy chain antibody [NOQ7.5.4D] at 0.5 µg/ml, overnight at 4°C.