

## Product datasheet for **TA355321**

### Myosin Heavy Chain (developmental) Mouse Monoclonal Antibody [Clone ID: RNMy2/9D2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	RNMy2/9D2
Applications:	IHC
Recommended Dilution:	1:10 - 1:40
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Native myosin extracted from the hind limb muscle of 7 day old rats
Specificity:	Human myosin developmental type heavy chain. Note that this antibody recognises a myosin heavy chain (MHC) present during the embryonic and neonatal period in the development of skeletal muscle. The same MHC occurs during regeneration of muscle fibres. Also reacts with rat myosin developmental type heavy chain.
Formulation:	Lyophilized tissue culture supernatant containing 15 mM sodium azide as a preservative.
Reconstitution Method:	The user is required to reconstitute the contents of the vial with the correct volume of sterile distilled water as indicated on the vial label
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Background:	Myosin is a contractile muscle specific protein composed of two heavy and four light chains. The myosin heavy chain has many isoforms which are specific for different muscles or fiber types, some of which are developmentally regulated. The range of myosin heavy chain antibodies may prove useful for investigating development of intrafusal and extrafusal muscle fibers and the course of muscle fiber regeneration. At the ultrastructural level, antibodies can reveal architectural details of the myofilament as well as the cytoplasmic and membrane sites of new myosin integration.



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