

Datasheet: 6490-3610

Description:	MOUSE ANTI RABBIT MYOSIN HEAVY CHAIN
Specificity:	MYOSIN HEAVY CHAIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	TH81 (BGN/04/4481)
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			
ELISA	▪			
Western Blotting			▪	
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Rabbit
Species Cross Reactivity	Reacts with: Rat, Human N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Native rabbit myosin heavy chain from muscle.
Specificity	Mouse anti Rabbit muscle myosin heavy chain antibody, clone TH81 recognizes the heavy

chain of rabbit muscle myosin. Muscle myosin is a hexameric protein that consists of two heavy chain subunits (MHC), two alkali light chain subunits (MLC) and two regulatory light chain subunits (MLC-2).

Mouse anti Rabbit muscle myosin heavy chain antibody, clone TH81 (**6490-3610**) was raised against rabbit myosin heavy chain but is also reported to cross react with human and rat cardiac myosin.

References

1. Zhao, Y.Y. *et al.* (1998) Neuregulins promote survival and growth of cardiac myocytes. Persistence of ErbB2 and ErbB4 expression in neonatal and adult ventricular myocytes. [J Biol Chem. 273 \(17\): 10261-9.](#)
2. Engel, D. *et al.* (2004) Cardiac myocyte apoptosis provokes adverse cardiac remodeling in transgenic mice with targeted TNF overexpression. [Am J Physiol Heart Circ Physiol. 287: H1303-11.](#)
3. Kinebuchi, Y. *et al.* (2010) Autologous bone-marrow-derived mesenchymal stem cell transplantation into injured rat urethral sphincter. [Int J Urol. 17 \(4\): 359-68.](#)

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

Health And Safety Information

Material Safety Datasheet Documentation #10040 available at: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG1 (HCA036...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC

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