

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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G from ascites

Buffer Solution

Phosphate buffered saline

Preservative

<0.1% Sodium Azide (NaN₃)

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Native rabbit myosin heavy chain from muscle.

RRID AB_620234

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 This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/6490-3610>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)

Goat Anti Mouse IgG (STAR76...) [RPE](#)

Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

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