

Datasheet: MCA1861H

Description:	MOUSE ANTI HUMAN ALPHA ACTIN (SARCOMERIC)
Specificity:	ACTIN (SARCOMERIC)
Format:	Ready To Use
Product Type:	Monoclonal Antibody
Clone:	5C5
Isotype:	IgM
Quantity:	5 ml

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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			Neat
Immunohistology - Paraffin	▪			Neat
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Reacts with: Broad N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Ready To Use
Preservative	0.09% Sodium Azide
Stabilisers	0.5% Bovine Serum Albumin
Immunogen	Purified rabbit skeletal muscle actin.

External Database Links

UniProt:

[P68133](#) [Related reagents](#)

[P68032](#) [Related reagents](#)

Entrez Gene:

[58](#) ACTA1 [Related reagents](#)

Synonyms	ACTA, ACTC
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Specificity	Mouse anti Human alpha actin antibody, clone 5C5 recognizes alpha-skeletal and alpha-cardiac actins (the sarcomeric actins). No reactivity with smooth muscle actin is seen.
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Immunohistology	This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections. Staining of formalin fixed paraffin embedded tissues may be improved in some cases by the use of antigen retrieval techniques.
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Histology Positive Control Tissue	Heart, Striated muscle
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References	1. Chang, Y. <i>et al.</i> (2007) Tissue regeneration observed in a basic fibroblast growth factor-loaded porous acellular bovine pericardium populated with mesenchymal stem cells. J Thorac Cardiovasc Surg. 134 (1): 65-73, 73.e1-4. 2. Wang, C.C. <i>et al.</i> (2008) Direct intramyocardial injection of mesenchymal stem cell sheet fragments improves cardiac functions after infarction. Cardiovasc Res. 77 (3): 515-24.
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Storage	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet Documentation #10082 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10082.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgM (STAR138...)	Alk. Phos.
Goat Anti Mouse IgM (STAR86...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Human Anti Mouse IgM (HCA040...)	FITC , HRP

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Printed on 09 Jun 2017

