

Datasheet: 6067-0906

Description:	MOUSE ANTI HUMAN LAMININ ALPHA 2
Specificity:	LAMININ ALPHA 2
Other names:	MEROSIN HEAVY CHAIN
Format:	Ascites
Product Type:	Monoclonal Antibody
Clone:	5H2
Isotype:	IgG1
Quantity:	50 µl

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 (1)	■			1/2000 - 1/10000
Immunohistology - Paraffin			■	
ELISA	■			1/25000 - 1/100000
Immunoprecipitation	■			
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.

(1)Acetone is recommended. 8 µm fixed cryostat muscle sections have been used, with an HRP conjugated secondary antibody for detection.

Target Species	Human
Species Cross Reactivity	Reacts with: Rabbit, Monkey N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Ascitic Fluid - raw
Preservative Stabilisers	0.09% Sodium Azide
Immunogen	Purified Human Merosin.
External Database Links	UniProt: P24043 Related reagents Entrez Gene:

Synonyms

LAMM

Specificity

Mouse anti Human laminin alpha 2 antibody, clone 5H2 recognizes the ~80 kDa fragment of laminin subunit alpha-2, also known as the laminin M chain, laminin-12 subunit alpha, laminin-2 subunit alpha, laminin-4 subunit alpha or merosin heavy chain. Laminins are trimeric basement glycoproteins consisting of three non-identical multi-domain chains (alpha, beta and gamma) each encoded by a distinct gene. The alpha-2 chain is a subunit of Laminin-2 and Laminin-4, widely expressed in the basement membrane of skeletal muscle and peripheral nerves. Laminins are thought to mediate cell attachment, migration, proliferation and differentiation with other extracellular matrix components.

Mutation of the LAMA2 gene can lead to the development of Merosin-deficient congenital muscular dystrophy 1A ([MDC1A](#)), a condition characterized by hypotonia, proximal weakness, hyporeflexia and difficulty walking ([Tazek et al. 2003](#)).

References

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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 #10081 available at: 10081: https://www.bio-rad-antibodies.com/uploads/MSDS/10081.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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