

Datasheet: VMA00074

Description:	MOUSE ANTI LYSOSOME MEMBRANE PROTEIN 2
Specificity:	LYSOSOME MEMBRANE PROTEIN 2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB03-4F7
Isotype:	IgG2b
Quantity:	100 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
Western Blotting	■			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃).
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	E. Coli derived recombinant protein, aa249-478 of human lysosome membrane protein 2

**External Database
Links**

UniProt:

[Q14108](#)

[Related reagents](#)

Entrez Gene:

[950](#)

SCARB2

[Related reagents](#)

Synonyms

CD36L2, LIMP2

Specificity

Mouse anti Human lysosome membrane protein 2 antibody recognizes lysosome membrane protein 2, also known as 85 kDa lysosomal membrane sialoglycoprotein, LGP85, CD36 antigen-like 2, SCARB2, LIMP II and scavenger receptor class B member 2.

Lysosome membrane protein 2 is a type III glycoprotein that is located primarily in limiting membranes of lysosomes and endosomes. This protein may participate in membrane transportation and the reorganization of endosomal/lysosomal compartment. The protein deficiency in mice was reported to impair cell membrane transport processes and cause pelvic junction obstruction, deafness, and peripheral neuropathy. Human LIMP2 is a ubiquitously expressed protein involved in the pathogenesis of HFMD (hand, foot, and mouth disease) caused by enterovirus-71 and possibly by coxsackievirus A16. Mutations in lysosome membrane protein 2 caused an autosomal recessive progressive myoclonic epilepsy-4 ([EPM4](#)), also known as action myoclonus-renal failure syndrome (AMRF). Alternatively spliced transcript variants encoding different isoforms have been found for SCARB2 (provided by RefSeq, Feb 2011).

Mouse anti Human lysosome membrane protein 2 antibody detects a band of 80 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti lysosome membrane protein 2 detects a band of approximately 80 kDa in LNCaP cell lysates.

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee

12 months from date of despatch.

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00074>
Antibody (10040)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL (MCA691)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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