

Datasheet: VMA00021

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|----------------------|------------------------|
| Description: | MOUSE ANTI CD147 |
| Specificity: | CD147 |
| Other names: | Neurothelin |
| Format: | Purified |
| Product Type: | PrecisionAb Monoclonal |
| Clone: | MEM-M6/1 |
| Isotype: | IgG1 |
| 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 A from ascites |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Soluble recombinant form of CD147 (CD147Rg) consisting of the cDNA coding for the |

hinge region, CH2 and CH3 domain of human IgG1

External Database**Links****UniProt:**[P35613](#)[Related reagents](#)**Entrez Gene:**[682](#)

BSG

[Related reagents](#)

Specificity

Mouse anti Human CD147 antibody recognizes the human CD147 cell surface antigen, also known as Basigin, EMMPRIN and collagenase stimulatory factor. CD147 is a 385 amino acid single pass type 1 trans-membrane glycoprotein bearing 3 potential N-glycosylation sites, a single N-terminal (distal) [Ig-like C2-type domain](#) and a more proximal [Ig-like V-type domain](#) in its extracellular region. Mouse anti Human CD147 antibody was raised and screened against recombinant extracellular region of huCD147 expressed in CHO cells. Epitope mapping indicates that this antibody binds to an epitope within the distal Ig-like C-2 type domain of human CD147.

Mouse anti Human CD147 antibody binds to both un-stimulated and phytohemagglutinin (PHA) stimulated (activated) T lymphocytes with levels of CD147 enhanced following PHA stimulation. CD147 is also expressed by peripheral blood and endothelial cells as well as many cultured cells of hematopoietic and non-hematopoietic origin.

Mouse anti Human CD147 antibody recognizes human CD147 as a band of ~53 kDa by western blot analysis of HepG2 cell lysates under reducing conditions.

Western Blotting

Anti CD147 antibody detects a band of approximately 53 kDa in HepG2 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:
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

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

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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

'M377213:210216'

Printed on 11 Jul 2021