

Datasheet: VMA00021

Description:	MOUSE ANTI CD147
Specificity:	CD147
Other names:	Neurothelin
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant 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)
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.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 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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