

Datasheet: VMA00162

Description:	MOUSE ANTI CD36
Specificity:	CD36
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI3F4
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 from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human CD36 (NP_000063) produced in HEK293T cells
External Database Links	UniProt: P16671 Related reagents Entrez Gene: 948 CD36 Related reagents
Synonyms	GP3B, GP4

Specificity **Mouse anti Human CD36 antibody** recognizes CD36, also known as CD36 antigen (collagen type I receptor, thrombospondin receptor), GPIIIB, PAS IV, PAS-4 protein, cluster determinant 36, fatty acid translocase, glycoprotein IIb, leukocyte differentiation antigen CD36, platelet glycoprotein 4, platelet glycoprotein IV and scavenger receptor class B, member 3.

The protein encoded by the CD36 gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in CD36 cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants encoding the same protein have been found for CD36 (provided by RefSeq, Jul 2008).

Mouse anti Human CD36 antibody detects a band of 86 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti CD36 detects a band of approximately 86 kDa in U-937 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 #10048 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.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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