

Datasheet: VMA00063

Description:	MOUSE ANTI CD29
Specificity:	CD29
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Isotype:	IgG2a
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

Species Cross Reactivity

Reacts with: Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Mouse monoclonal antibody purified by affinity chromatography on Protein G from serum free tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Immunogen Synthetic peptide of human CD29

External Database

Links

UniProt:

[P05556](#) [Related reagents](#)

Entrez Gene:

[3688](#) ITGB1 [Related reagents](#)

Synonyms

FNRB, MDF2, MSK12

Specificity

Mouse anti Human CD29 antibody recognizes integrin beta-1, also known as the fibronectin receptor subunit beta, glycoprotein IIa, GPIIA, VLA-4 subunit beta or ITGB1.

Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. ITGB1 encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for ITGB1 (provided by RefSeq, Jul 2008).

Mouse anti Human CD29 antibody detects a band of 130 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti CD29 detects a band of approximately 130 kDa in K562 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 IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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'M369873:200529'

Printed on 12 Feb 2021

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