Datasheet: VMA00220

Description:	MOUSE ANTI CD247
Specificity:	CD247
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 prepared by affinity chromatography on Protein G from ascites

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN_3)

Immunogen

Purified recombinant fragment of human CD247 expressed in *E. coli*

External Database Links

UniProt:

P20963 Related reagents

Entrez Gene:

919 CD247 Related reagents

Synonyms

CD3Z, T3Z, TCRZ

Specificity

Mouse anti Human CD247 antibody recognizes the CD247 antigen, also known as T-cell surface glycoprotein CD3 zeta chain, CD3Z antigen, zeta polypeptide (TiT3 complex), CD3zeta chain, T-cell antigen receptor complex, zeta subunit of CD3, T-cell receptor T3 zeta chain, T-cell surface

glycoprotein CD3 zeta chain and TCR zeta chain.

CD247 is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for CD247 (provided by RefSeq, Jul 2008).

Mouse anti Human CD247 antibody detects a band of 18 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti CD247 detects a band of approximately 18 kDa in Jurkat 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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