

Datasheet: VMA00324

Description:	MOUSE ANTI CD243
Specificity:	CD243
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	OTI2C7
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 from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Recombinant protein fragment corresponding to amino acids 995-1280 of human CD243 (NP_000918) produced in SF9 cells
External Database	UniProt:

Links

[P08183](#) [Related reagents](#)

Entrez Gene:

[5243](#) ABCB1 [Related reagents](#)

Synonyms

MDR1, PGY1

Specificity

Mouse anti Human CD243 antibody recognizes the CD243 antigen, also known as multidrug resistance protein 1, P-glycoprotein 1, colchicin sensitivity, doxorubicin resistance and multidrug resistance protein 1 and ATP-binding cassette sub-family B member 1.

This membrane-associated protein, encoded by ABCB1 gene, is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance. The protein encoded by ABCB1 is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier (provided by RefSeq, Jul 2008).

Mouse anti Human CD243 antibody detects a band of 141 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti CD243 detects a band of approximately 141 kDa in HEK293 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 #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 \(MCA928\)](#)

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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