

Datasheet: VMA00943

Description:	MOUSE ANTI PGRMC1
Specificity:	PGRMC1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD02/1A2
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

Species Cross Reactivity

Reacts with: Mouse

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 affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 44-195 of human PGRMC1
External Database Links	<p>UniProt: O00264 Related reagents</p> <p>Entrez Gene: 10857 PGRMC1 Related reagents</p>
Synonyms	HPR6.6, PGRMC
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	Mouse anti PGRMC1 antibody recognizes membrane-associated progesterone receptor component 1, also known as mPR, Dap1 and IZA. PGRMC1 is a component of the membrane associated progesterone receptor (MAPR) and has a wide range of functions including vesicle trafficking, regulation of sterol synthesis, regulation of entry into the G0 stage of the cell cycle, invasive growth, and hypoxic biology (Cahill 2017). PGRMC1 has been shown to localize at various subcellular compartments including endoplasmic reticulum, Golgi apparatus, plasma membrane, inner acrosomal membrane, nucleus, nucleolus, and mitochondria (Kim et al. 2019). PGRMC1 appears to be involved with cancers, particularly those of the female reproductive tract, and with central nervous system disorders, such as Alzheimer's Disease (Cahill et al. 2016). PGRMC1 represents a marker of proliferation for many types of cancer cell.
Western Blotting	Mouse anti PGRMC1 detects a band of approximately 24 kDa in HepG2 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: https://www.bio-rad-antibodies.com/SDS/VMA00943 Antibody (10040)
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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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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