

Datasheet: VMA00943

BATCH NUMBER 100005716

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	0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 44-195 of human PGRMC1

External Database Links

UniProt:

[O00264](#) [Related reagents](#)

Entrez Gene:

[10857](#) PGRMC1 [Related reagents](#)

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](#)

North & South Tel: +1 800 265 7376

Worldwide Tel: +44 (0)1865 852 700

Europe Tel: +49 (0) 89 8090 95 21

America Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_us@bio-rad.com

Email: antibody_sales_uk@bio-rad.com

Email: antibody_sales_de@bio-rad.com

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

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