

Datasheet: VMA00060

Description:	MOUSE ANTI OSTEOPROTEGERIN
Specificity:	OSTEOPROTEGERIN
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

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

Purified IgG prepared by affinity chromatography on Protein G from ascites.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃).

Immunogen

E. coli derived recombinant protein corresponding to aa 22-201 of human osteoprotegerin

**External Database
Links**

UniProt:

[O00300](#) [Related reagents](#)

Entrez Gene:

[4982](#) TNFRSF11B [Related reagents](#)

Synonyms

OCIF, OPG

Specificity

Mouse anti Human osteoprotegerin antibody recognizes the tumor necrosis factor receptor superfamily member 11B , also known as osteoclastogenesis inhibitory factor or OPG.

The protein encoded by TNFRSF11B is a member of the TNF-receptor superfamily. Osteoprotegerin is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein binds to its ligand, osteoprotegerin ligand, and both are key extracellular regulators of osteoclast development. The mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of TNFRSF11B have been reported (provided by RefSeq, Jul 2008).

Mouse anti Human osteoprotegerin antibody detects a band of 60 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting

Anti osteoprotegerin detects a band of approximately 60 kDa in Jurkat 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/VMA00060>
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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