

# Product Datasheet

## Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide and BSA Free NBP2-33211

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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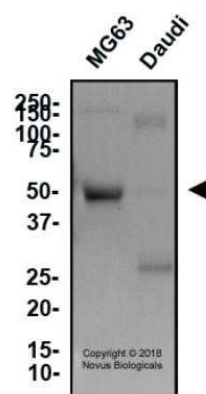
**NBP2-33211**

Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	98A1071
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide and BSA Free (NB100-56505) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	4982
<b>Gene Symbol</b>	TNFRSF11B
<b>Species</b>	Human, Mouse, Rat, Rabbit
<b>Reactivity Notes</b>	Rat reactivity reported in scientific literature (PMID: 11028444)
<b>Specificity/Sensitivity</b>	The Osteoprotegerin antibody, clone 98A1071, detects all forms of Osteoprotegerin including monomeric, dimeric and Osteoprotegerin bound to RANKL (Vandooren, 2008) as well as Osteoprotegerin bound to TRAIL (Sandra, 2006).
<b>Immunogen</b>	A peptide corresponding to the amino acids 20-37 TQETFPKYLHYDEETSH of human Osteoprotegerin was used as immunogen for this antibody.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Flow Cytometry 0.2-1 ug/1 million cells, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500. Use reported in scientific literature (Sandra (2006)), Immunoprecipitation 1:10-1:500. Use reported in scientific literature (Sandra (2006)), Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen reported in scientific literature (Boumans (2012)), CyTOF-ready

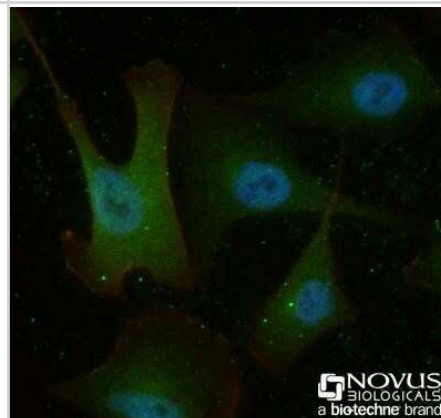
## Images

Western Blot: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Total protein from human MG63 and Daudi cell lines was separated on a 7.5% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/ml anti-Osteoprotegerin in blocking buffer and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.

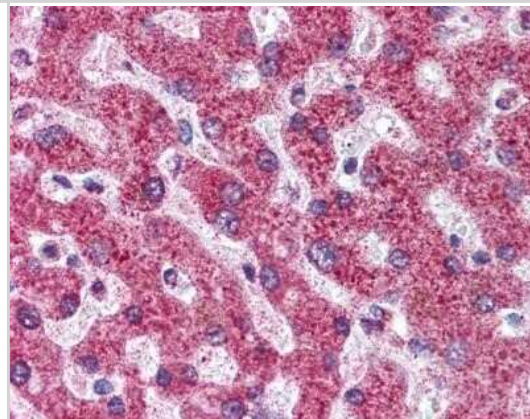


Immunocytochemistry/Immunofluorescence:

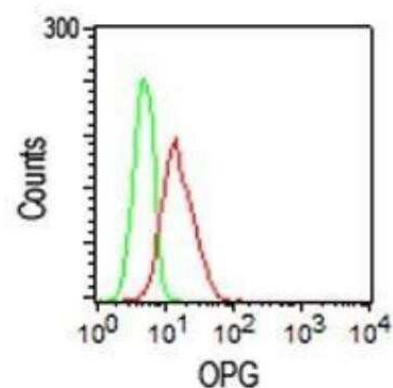
Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - MG-63 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti-Osteoprotegerin (98A1071) at 5 ug/ml overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



Immunohistochemistry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Staining of human liver. Tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. Image from the standard format of this antibody.



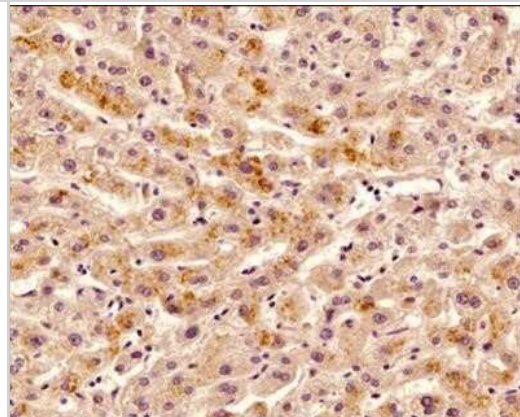
Flow Cytometry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Intracellular staining of  $10^6$  HeLa cells using 0.2 ug of OPG antibody, 0.5 ul of PE secondary. Image from the standard format of this antibody.



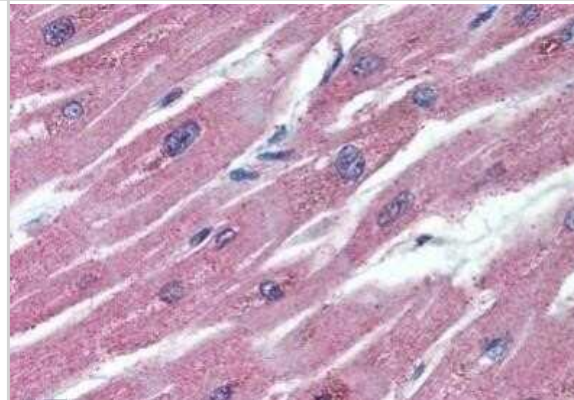
Immunohistochemistry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Human breast tissue stained with OPG antibody (5 ug/ml), peroxidase-conjugate and DAB chromogen. Image from the standard format of this antibody.



Immunohistochemistry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Human liver using 1:200 dilution of anti-Osteoprotegerin/TNFRSF11B antibody (clone 98A1071). The staining was developed with HRP labeled secondary antibody and DAB reagent, and nuclei of cells were counter-stained with hematoxylin. This Osteoprotegerin an



Immunohistochemistry: Osteoprotegerin/TNFRSF11B Antibody (98A1071) - Azide Free [NBP2-33211] - Staining of human heart tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. Image from the standard format of this antibody.





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### **Products Related to NBP2-33211**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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