

## Product datasheet for **AM06539SU-N**

### Osteoprotegerin (TNFRSF11B) Mouse Monoclonal Antibody [Clone ID: 5G2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5G2
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Flow Cytometry:</b> 1/200 - 1/400.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human TNFRSF11B expressed in E. Coli.
Specificity:	Recognizes Osteoprotegerin / TNFRSF11B
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	60 kDa
Gene Name:	tumor necrosis factor receptor superfamily member 11b
Database Link:	<a href="#">Entrez Gene 4982 Human</a> <a href="#">O00300</a>



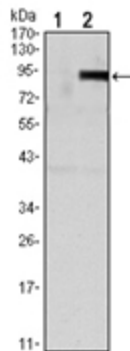
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**Background:**

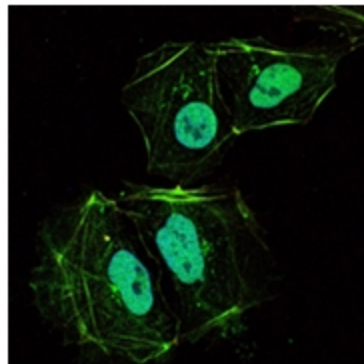
The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular regulators of osteoclast development. Studies of 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 this gene have been reported, but their full length nature has not been determined.

**Synonyms:**

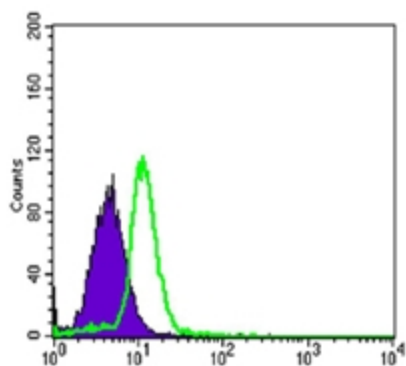
OPG, OCIF

**Product images:**


Western blot analysis using TNFRSF11B antibody Cat.-No AM06539SU-N against HEK293 (1) and TNFRSF11B (AA: 22-401)-hlgGfc transfected HEK293 (2) cell lysate.



Immunofluorescence analysis of HL-60 cells using TNFRSF11B antibody Cat.-No AM06539SU-N (green). Blue: DRAQ5 fluorescent DNA dye.



Flow Cytometric analysis of HL-60 cells using TNFRSF11B antibody Cat.-No AM06539SU-N (green) and negative control (purple).