

Osteoprotegerin Ab

[Images\(1\)](#)

Cat.#: BF0156	Concn.: ~1mg/ml	Mol.Wt.: 60kDa
Size:	Source: Mouse	Clonality: Monoclonal

Application: ELISA 1:10000, WB 1:500-1:2000, IF/ICC 1:200-1:1000, FCM 1:200-1:400

*The optimal dilutions should be determined by the end user.

Reactivity: Human

Storage: Mouse IgG1 in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: Affinity-chromatography.

Immunogen: Purified recombinant fragment of human TNFRSF11B expressed in E. Coli.

Uniprot: O00300

Description: 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 (TNFSF11/OPGL), both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest 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.

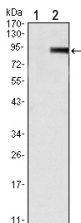


Figure 1: Western blot analysis using Osteoprotegerin mAb against HEK293 (1) and TNFRSF11B(AA: 22-401)-hIgGFc transfected HEK293 (2) cell lysate.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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