

## Product datasheet for **PP1107B2**

### Osteoprotegerin (TNFRSF11B) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Sandwich ELISA:</b> To detect Human OPG by Sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.25–1.0 µg/ml of this antibody is required. This Biotin conjugated antibody, in conjunction with purified anti-Human OPG antibody ( <i>Cat.-No</i> PP1107P1 or PP1107P2) as a Capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human OPG. <b>Direct ELISA:</b> To detect Human OPG by Direct ELISA (using 100 µl/well antibody solution) a concentration of 0.25–1.0 µg/ml of this antibody is required. This Biotin conjugated antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant Human OPG. <b>Western Blot</b> To detect Human OPG by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human OPG is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly purified (> 98%) <i>E. Coli</i> derived recombinant Human OPG ( <i>Cat.-No</i> PA159)
Specificity:	Recognizes Human Osteoprotegerin (hOPG). Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography
Conjugation:	Biotin



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**Storage:** Prior to reconstitution store at 2-8°C.  
Following reconstitution store 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.

**Gene Name:** tumor necrosis factor receptor superfamily member 11b

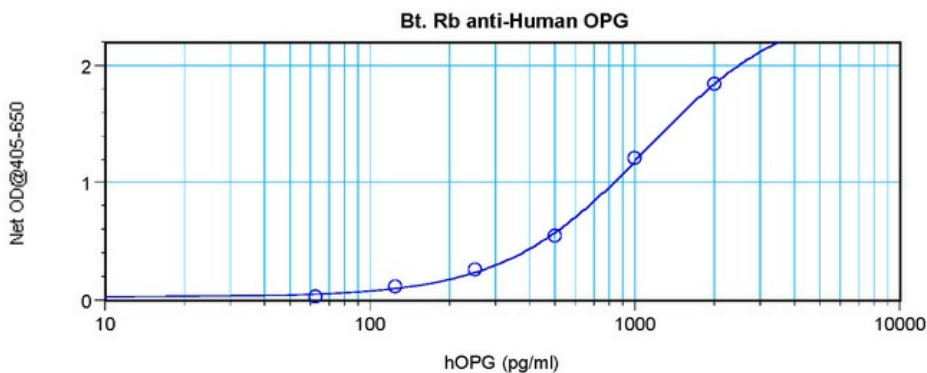
**Database Link:** [Entrez Gene 4982 Human O00300](#)

**Background:** Osteoprotegerin (OPG) 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 the gene have been reported, but their full length nature has not been determined.

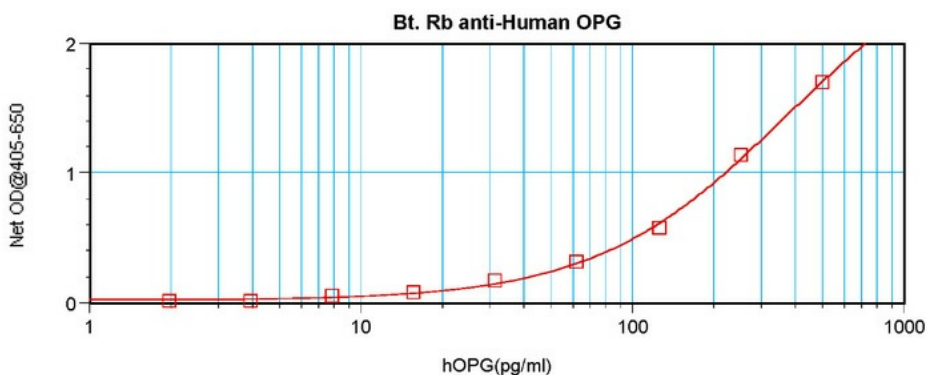
**Synonyms:** OPG, OCIF

**Note:** Centrifuge vial prior to opening!

### Product images:



Direct ELISA using Osteoprotegerin / TNFRSF11B Antibody Cat.-No [PP1107B]



Sandwich ELISA using Osteoprotegerin / TNFRSF11B Antibody Cat.-No [PP1107B]