## OriGene Technologies, Inc.



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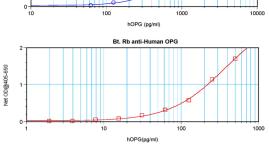
PP1107B1	Polyclonal Antibody to Osteoprotegerin / TNFRSF11B - Biotin
Alternate names:	OCIF, OPG, Osteoclastogenesis inhibitory factor, Tumor necrosis factor receptor superfamily member 11B
Quantity:	25 μg
Background:	Osteoprotegerin (OPG) is a member of the TNF receptor superfamily. This protein is an 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.
Uniprot ID:	<u>000300</u>
NCBI:	<u>NP_002537.3</u>
GenelD:	<u>4982</u>
Host:	Rabbit
Immunogen:	Highly purified (> 98%) <i>E. Coli</i> derived recombinant Human OPG ( <i>CatNo</i> PA159) <b>Remarks: Molecular Weight:</b> 150 kDa
Format:	<ul> <li>State: Lyophilized (sterile filtered) purified Ig fraction</li> <li>Purification: Affinity Chromatography</li> <li>Buffer System: PBS, pH 7.2 without preservatives</li> <li>Label: Biotin</li> <li>Reconstitution: Restore in sterile water to a concentration of 0.1-1.0 mg/ml.</li> </ul>
Applications:	<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>CatNo</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.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

	PP1107B1: Polyclonal Antibody to Osteoprotegerin / TNFRSF11B - Biotin
Specificity:	Recognizes Human Osteoprotegerin (hOPG). Other species not tested.
Add. Information:	Centrifuge vial prior to opening!
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. Shelf life: one year from despatch.
Pictures:	Direct ELISA using Osteoprotegerin / TNFRSF11B Antiboy CatNo PP1107B

Sandwich ELISA using Osteoprotegerin / TNFRSF11B Antiboy Cat.-No PP1107B



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