

## Human OPG ELISA Kit | OPG elisa kit

Human OPG Pre-Coated ELISA Kit

CATALOG #  
**AAA79347**

REACTIVITY  
**Human**

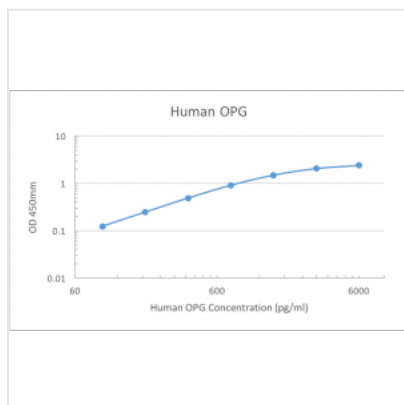
### PRODUCT SYNONYMS

OPG; Human OPG Pre-Coated ELISA Kit; OPG elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                |
| Specificity             | Natural and recombinant Human OPG Pre-Coated ELISA Kit                                                                                                                                                                                                                                                                                               |
| Assay Type              | Solid Phase Sandwich ELISA: 96-Well Strip Plate                                                                                                                                                                                                                                                                                                      |
| Detection Range         | 93.7pg/ml-6000pg/ml                                                                                                                                                                                                                                                                                                                                  |
| Sensitivity             | <5pg/ml                                                                                                                                                                                                                                                                                                                                              |
| Components              | Anti-Human OPG Pre-coated 96-well strip microplate<br>Human OPG Standard<br>Human OPG Biotinylated antibody (100x)<br>Avidin-Biotin-Peroxidase Complex (100x)<br>Sample Diluent<br>Antibody Diluent<br>Avidin-Biotin-Peroxidase Diluent<br>Wash Buffer Concentrate (Powder for 1000mL)<br>Color Developing Reagent<br>Stop Solution<br>Plate Sealers |
| Interference            | No detectable cross-reactivity with other relevant proteins                                                                                                                                                                                                                                                                                          |
| Preparation and Storage | Store the unopened product at 2-8 degree C.                                                                                                                                                                                                                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for OPG elisa kit | <p>Osteoprotegerin (OPG) is a member of the TNFR superfamily that can act as a decoy receptor for RANKL. Binding of soluble OPG to sRANKL inhibits osteoclastogenesis by interrupting the signaling between stromal cells and osteoclastic progenitor cells, thereby leading to excess accumulation of bone and cartilage. OPG is expressed in a wide variety of tissues, including the adult heart, lung, kidney, liver, spleen, prostate, lymph node, and bone marrow. OPG is secreted both as a monomeric and a dimeric protein. Its primary structure consists of seven distinct domains, four of which correspond to the extracellular cysteine-rich domains of TNFR proteins and constitute the soluble OPG.</p> <p>Human OPG Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure OPG with a 96-well strip plate that is pre-coated with mouse monoclonal antibody specific for OPG. It contains NSO-expressed recombinant OPG. The detection antibody is a biotinylated goat polyclonal antibody specific for OPG. The kit is analytically validated with ready to use reagents.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 148743793                                                                                                    |
| NCBI GeneID                      | 4982                                                                                                         |
| NCBI Accession #                 | NP_002537.3                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_002546.3                                                                                                  |
| UniProt Accession #              | O00300; O60236; Q53FX6; Q9UHP4; B2R9A8                                                                       |
| Molecular Weight                 | 46,026 Da                                                                                                    |
| NCBI Official Full Name          | tumor necrosis factor receptor superfamily member 11B                                                        |
| NCBI Official Synonym Full Names | tumor necrosis factor receptor superfamily, member 11b                                                       |
| NCBI Official Symbol             | TNFRSF11B                                                                                                    |
| NCBI Official Synonym Symbols    | OPG; TR1; OCIF                                                                                               |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 11B; osteoprotegerin; osteoclastogenesis inhibitory factor |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 11B                                                        |
| UniProt Gene Name                | TNFRSF11B                                                                                                    |
| UniProt Synonym Gene Names       | OCIF; OPG                                                                                                    |
| UniProt Entry Name               | TR11B_HUMAN                                                                                                  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/opg/79347>