

Human OPG ELISA Kit | OPG elisa kit

Human OPG Pre-Coated ELISA Kit

CATALOG #
AAA79347

REACTIVITY
Human

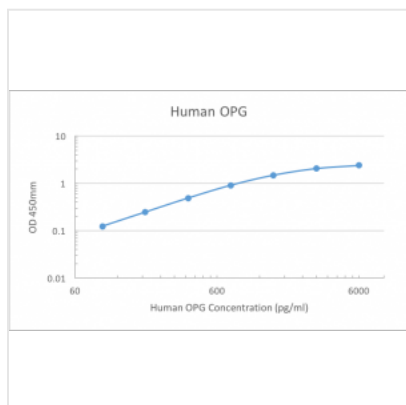
PRODUCT SYNONYMS

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 Human OPG Standard Human OPG Biotinylated antibody (100x) Avidin-Biotin-Peroxidase Complex (100x) Sample Diluent Antibody Diluent Avidin-Biotin-Peroxidase Diluent Wash Buffer Concentrate (Powder for 1000mL) Color Developing Reagent Stop Solution 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	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. 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.
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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://www.aaabiotech.com/human-elisa-kits/opg/79347>