

Human Osteoprotegerin ELISA Kit | OPG elisa kit

Human Osteoprotegerin ELISA Kit

CATALOG #
AAA84830

REACTIVITY
Human

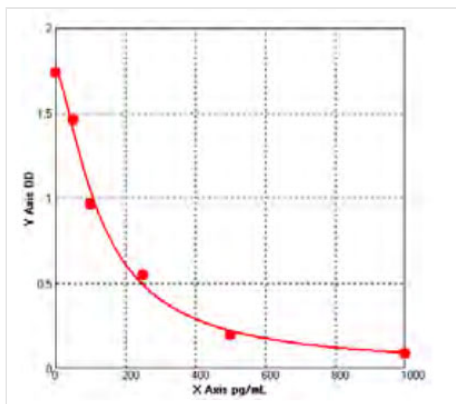
PRODUCT SYNONYMS

Osteoprotegerin; Human Osteoprotegerin ELISA Kit; OPG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of OPG. No significant cross-reactivity or interference between OPG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OPG and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OPG elisa kit	Principle of the Assay: OPG ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for OPG. Standards or samples are then added to the microtiter plate wells and OPG if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of OPG present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for OPG are added to each well to "sandwich" the OPG immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain OPG and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OPG concentration in each sample is interpolated from this standard curve. Intended Uses: This OPG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human OPG. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for OPG elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	2072185
NCBI GeneID	4982
Molecular Weight	46,026 Da
NCBI Official Full Name	osteoprotegerin
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/opg-human-elisa-kits/osteoprotegerin/84830>