

Goat Osteoprotegerin ELISA Kit | OPG elisa kit

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CATALOG #
AAA89675

REACTIVITY
Goat

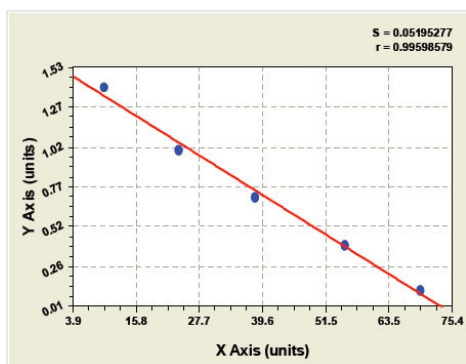
PRODUCT SYNONYMS

Osteoprotegerin; Goat Osteoprotegerin ELISA Kit; OPG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This OPG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat OPG. This ELISA kit for research use only, not for therapeutic applications!
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 competitive enzyme immunoassay technique utilizing a monoclonal anti-OPG antibody and an OPG-HRP conjugate. The assay sample and buffer are incubated together with OPG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the OPG concentration since OPG from samples and OPG-HRP conjugate compete for the anti-OPG antibody binding site. Since the number of sites is limited, as more sites are occupied by OPG from the sample, fewer sites are left to bind OPG-HRP conjugate. 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.

Product Categories/Family for OPG elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	2072185
NCBI GeneID	4982
UniProt Accession #	O00300; O60236; Q53FX6; Q9UHP4; B2R9A8
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.

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Online datasheet: <https://www.aaabiotech.com/opg-goat-elisa-kits/osteoprotegerin/89675>