

Chicken Osteoprotegerin ELISA Kit | OPG elisa kit

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CATALOG #
AAA92791

REACTIVITY
Chicken

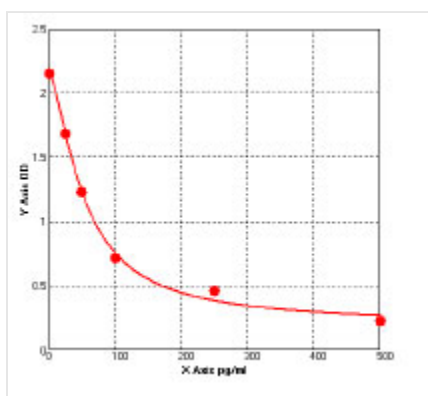
PRODUCT SYNONYMS

Osteoprotegerin; Chicken Osteoprotegerin ELISA Kit; OPG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 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

Intended Uses: This OMT-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human OMT-1. This ELISA kit for research use only!

Principle of the Assay: OMT-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-OMT-1 antibody and an OMT-1-HRP conjugate. The assay sample and buffer are incubated together with OMT-1-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 OMT-1 concentration since OMT-1 from samples and OMT-1-HRP conjugate compete for the anti-OMT-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by OMT-1 from the sample, fewer sites are left to bind OMT-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OMT-1 concentration in each sample is interpolated from this standard curve.

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.