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Datasheet for ABIN6719801

RANKL ELISA Kit

1 Image

Overview

Quantity:	1 kit
Target:	RANKL (TNFSF11)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	93.7 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.7 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: MGC29565, MGC93568, OCIF, OPG, Osteoclastogenesis inhibitory factor, Osteoprotegerin, TNFRSF 11B, TNFRSF11B, TR 1, TR1, TR11B_HUMAN, Tumor necrosis factor receptor superfamily member 11B</p> <p>Background: Osteoprotegerin(OPG) is identical to osteoclastogenesis inhibitory factor(OCIF), a soluble member of the tumor-necrosis factor receptor family that inhibits osteoclastogenesis. OPG is considered to play an important role in the regulation of bone resorption by modifying osteoclast differentiation. Osteoprotegerin is an independent risk factor for the progression of atherosclerosis and onset of cardiovascular disease. It can act as a soluble factor in the</p>

Product Details

regulation of bone mass and imply a utility for OPG in the treatment of osteoporosis associated with increased osteoclast activity. OPG system may play a critical role in the development of osteolytic bone disease in multiple myeloma and that targeting this system may have therapeutic potential. OPG also plays a role in the vascular system. The standard product used in this kit is recombinant OPG, a 55KDa glycoprotein.

Gene Name: TNFRSF11B

Production: Natural and recombinant human OPG. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: E22-L401

Target Details

Target: RANKL (TNFSF11)

Alternative Name: OPG ([TNFSF11 Products](#))

Gene ID: 4982

NCBI Accession: [NP_002537](#)

UniProt: [O00300](#)

Pathways: [NF-kappaB Signaling](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/m human OPG standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA), saliva or urine to each empty well. It is recommended that each human OPG standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 93.7pg/mL-6000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

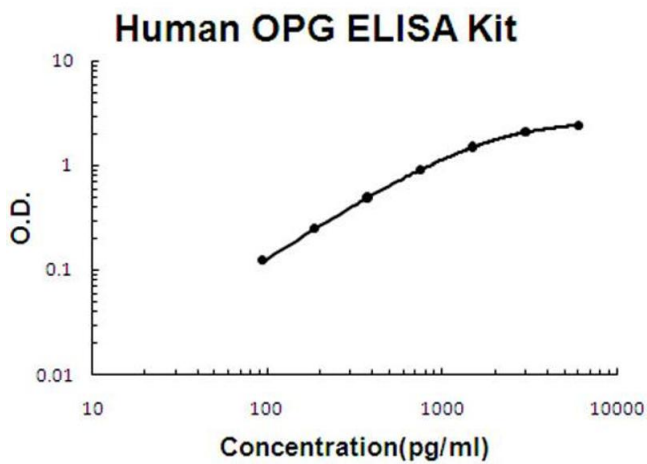
Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human OPG Accusignal ELISA Kit Human OPG AccuSignal ELISA Kit standard curve. Assay Range: 93.7pg/ml-6000pg/ml. Sensitivity: <5pg/ml.