

Datasheet for ABIN6719943

**RANKL ELISA Kit**[Go to Product page](#)**1** Image

## Overview

Quantity:	1 kit
Target:	RANKL (TNFSF11)
Reactivity:	Mouse
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:	Mouse OPG Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse OPG. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 5 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

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- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

## Target Details

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Target: RANKL (TNFSF11)

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

Background: Synonyms: MGC29565, MGC93568, OCIF, OPG, Osteoclastogenesis inhibitory factor, Osteoprotegerin, TNFRSF 11B, TNFRSF11B, TR 1, TR1, TR11B\_HUMAN, Tumor necrosis factor receptor superfamily member 11B

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 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.

Gene ID: 18383

NCBI Accession: [NP\\_032790](#)

UniProt: [O08712](#)

Pathways: [NF-kappaB Signaling](#)

## Application Details

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Application Notes: 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 mouse 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 mouse cell culture supernates, serum or plasma(EDTA) to each empty well. It is recommended that

## Application Details

each mouse OPG standard solution and each sample be measured in duplicate.

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

Sample Volume: 100  $\mu$ L

Plate: Pre-coated

Restrictions: For Research Use only

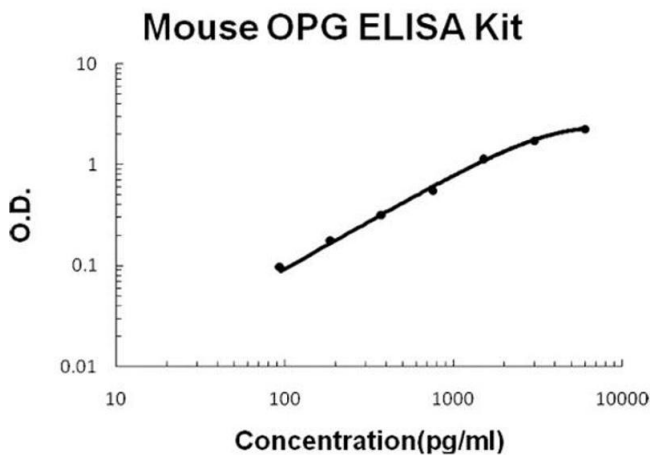
## Handling

Storage: 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.

Expiry Date: 12 months

## Images



### ELISA

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