Rat Osteoprotegerin,OPG ELISA KIT

Product Code	CSB-E07404r
Abbreviation	TNFRSF11B
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	tumor necrosis factor receptor superfamily, member 11b
Uniprot No.	O08727
Alias	MGC29565, OCIF, OPG, TR1, osteoclastogenesis inhibitory factor|osteoprotegerin
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.78 ng/ml - 50 ng/ml
Sensitivity	0.195 ng/ml
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cell Biology
Gene Names	Tnfrsf11b
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rat Osteoprotegerin (OPG) ELISA KIT is a powerful tool for researchers in the field of cell biology,bone metabolism, bone homeostasis. This high-quality ELISA kit allows for the accurate and reliable quantification of Rat Osteoprotegerin (OPG) levels in serum, plasma, and tissue homogenates.

The Rat Osteoprotegerin (OPG) ELISA KIT is designed for quick and easy detection of OPG in Rat samples. It has a wide detection range of 0.78 ng/ml to 50 ng/ml, with a sensitivity of 0.195 ng/ml. The assay time is only 1-5 hours, and the sample volume required is just 50-100ul, making it an ideal choice for high-throughput screening. The kit uses a sandwich assay principle for quantitative measurement of Rat Osteoprotegerin (OPG) levels, and it can be read using a standard 450 nm wavelength detector.

Target Details	This protein is a member of the TNF-receptor superfamily. This protein is an osteoblast-secreted decoy receptor that functions as a negative regulator of bone resorption. This protein specifically binds to its ligand, osteoprotegerin ligand, both of which are key extracellular regulators of osteoclast development. Studies of the mouse counterpart also suggest that this protein and its ligand play a role in lymph-node organogenesis and vascular calcification. Alternatively spliced transcript variants of this gene have been reported, but their full length nature has not been determined.
Product Precision	
Linearity	
Recovery	
Typical	
Msds	{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E07404r.pdf","filename":"MSDS"}}