

Mouse OPG Antibody Pair Set

Catalog No. E-KAB-0091

Applications

ELISA

Synonyms TNFRSF11B , OCIF, TR1

Kit components & Storage

Title	Specifications	Storage
Mouse OPG Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Mouse OPG Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

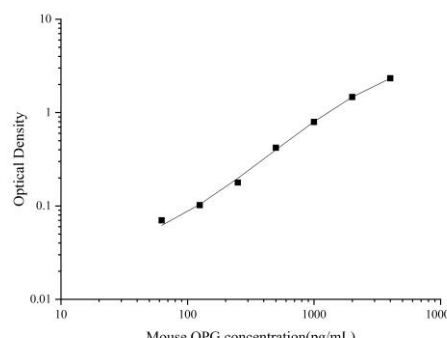
Product Information

Items		Characteristic (E-KAB-0091)	
		Mouse OPG Capture Antibody	Mouse OPG Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse OPG protein	Recombinant Mouse OPG protein
	Swissprot	O08712	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Mouse OPG in ELISAs.	

For Research Use Only

Applications

Mouse OPG Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4μg/mL	Mouse OPG Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse OPG concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>100</td><td>0.08</td></tr><tr><td>200</td><td>0.12</td></tr><tr><td>500</td><td>0.35</td></tr><tr><td>1000</td><td>0.8</td></tr><tr><td>2000</td><td>1.5</td></tr><tr><td>5000</td><td>3.5</td></tr></tbody></table>	Mouse OPG concentration (pg/mL)	Optical Density	100	0.08	200	0.12	500	0.35	1000	0.8	2000	1.5	5000	3.5
Mouse OPG concentration (pg/mL)	Optical Density																
100	0.08																
200	0.12																
500	0.35																
1000	0.8																
2000	1.5																
5000	3.5																
ELISA Detection	1:1000-1:10000	Mouse OPG Detection Antibody (Biotin)															

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Osteoprotegerin (OPG), also known as TNFRSF11B or OCIF, is a member of the tumor necrosis factor receptor super family (TNFRSF). It is a secreted glycoprotein that inhibits osteoclastogenesis and is involved in the regulation of bone density. Osteoprotegerin acts as decoy receptor for receptor activator of nuclear factor-kappa B ligand (RANKL) and neutralizes its function in osteoclastogenesis. Osteoprotegerin may function as a soluble decoy receptor for tumor necrosis factor (TNF)-related apoptosis inducing ligand (TRAIL) and inhibits TRAIL-induced apoptosis. TRAIL blocks osteoprotegerin mediated inhibition of osteoclastogenesis.

For Research Use Only