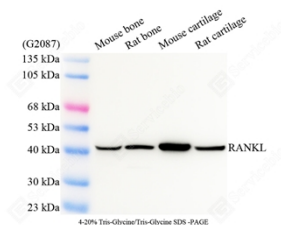


Anti-RANKL Mouse mAb



GB125705 -20°C

Product Information			
Protein full name	Tumor necrosis factor ligand superfamily member 11		
Synonyms	CD254, hRANKL2, ODF, OPGL, OPTB2, Osteoprotegerin ligand, RANKL, sOdf, TNFSF11, TRANCE, Opgl, Rankl, Trance		
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse RANKL		
Uniprot ID	O35235		
Isotype	IgG1, κ		
Clone Number	4B11F11		
Purity	Affinity purification		
Predicted MW./Observed MW.	35 kDa / 38-45 kDa		
Applications	Species	Dilution	Positive Tissue
WB	Human, Mouse, Rat	1: 1000-1: 2000	bone, cartilage
Storage			
Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Storage Buffer	PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.		
background			
Cytokine that binds to TNFRSF11B/OPG and to TNFRSF11A/RANK. Osteoclast differentiation and activation factor.Augments the ability of dendritic cells to stimulate naive T-cell proliferation. May be an important regulator of interactions between T-cells and dendritic cells and may play a role in the regulation of the T-cell-dependent immune response. May also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.Induces osteoclastogenesis by activating multiple signaling pathways in osteoclast precursor cells, chief among which is induction of long lasting oscillations in the intracellular concentration of Ca 2+ resulting in the activation of NFATC1, which translocates to the nucleus and induces osteoclast-specific gene transcription to allow differentiation of osteoclasts.During osteoclast differentiation, in a TMEM64 and ATP2A2-dependent manner induces activation of CREB1 and mitochondrial ROS generation necessary for proper osteoclast generation.			
Images			



WB analysis of RANKL(GB125705).

Sample: Protein treated by RIPA Lysis Buffer (G2002).

Blocking buffer: 3% Nonfat dry milk (GC310001) in TBST, RT, 1h.

Primary antibody: 1: 1000, 4°C overnight.

Secondary antibody: HRP conjugated Goat Anti-Mouse IgG (H+L) (GB23301), 1: 5000, RT, 1h.

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