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32-6541: sRANKL (158-316) Mouse

Application :	Functional Assay
Alternative Name :	Soluble Receptor Activator of NFkB Ligand, TNFSF11, TRANCE, TNF-related activation-induced cytokine, OPGL, ODF, Osteoclast differentiation factor, Tumor necrosis factor ligand superfamily member 11, Receptor activator of nuclear factor kappa B ligand, RANKL, Osteoprotegerin ligand, CD254 antigen, sRANKL, sOdf.,Soluble RANK Ligand (158-316 a.a) Mouse Recombinant

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
RANKL 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. sRANKL may also play an important role in enhanced bone-resorption in humoral hypercalcemia of malignancy.
sRANKL Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 160 amino acids (158-316 a.a.) and having a molecular mass of 17.9kDa. sRANKL is purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	sRANKL protein solution (1mg/ml) containing Tris-Hcl buffer pH-8.5 and 0.1M NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MKPEAQPFAH LTINAASIPS GSHKVTLSSW YHDRGWAKIS NMTLSNGKLR VNQDGFYYLY ANICFRHHET SGSVPTDYLQ LMVYVVKTSI KIPSSHNLMK GGSTKNWSGN SEFHFYSINV GGFFKLRAGE EISIQVSNPS LLDPDQDATY FGAFKVQDID

Application Note

The ED50, as measured by its ability to induce osteoclast differentiation of RAW 264.7 mouse monocyte/macrophage cells, is less than 2ng/ml.