

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, RAN

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 : 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.

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.