

32-12287: Human RANK Ligand

Gene : TNFSF11

Gene ID : 8600

Uniprot ID : O14788

Alternative Name : Tumor necrosis factor ligand superfamily member 11, Osteoclast differentiation factor, Osteoprotegerin ligand, Receptor activator of nuclear factor kappa-B ligand, TNF-related activation-induced cytokine

Description

Source: Genetically modified E.coli.

Predicted MW: Monomer, 19.7 kDa (175 aa)

Receptor activator of nuclear factor kappa-B Ligand (RANK Ligand) is a cell-bound marker related to the tumor necrosis factor (TNF) family of proteins. RANK Ligand plays a critical role in bone metabolism and osteoclast differentiation. T cell expression of RANK Ligand promotes dendritic cell maturation.

Product Info

Amount : 10 µg / 100 µg

Purification : Reducing and Non-Reducing SDS PAGE at $\geq 95\%$

Content : Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

Amino Acid : EKAMVDGSWL DLAKRSKLEA QPFAHLTINA TDIPSGSHKV SLSSWYHDRG WAKISNMTFS NGKLIVNQDG FYYLYANICF RHHETSGDLA TEYLQLMVYV TKTSIKIPSS HTLMKGGSTK YWSGNSEFHF YSINVGGFCK LRSGEESIE VSNPSLLDPD QDATYFGAFK VRDID

Application Note

Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Biological Activity was determined by Activity on RAW cells. ED50 ≤ 50 ng/mL ($\geq 2.0 \times 10^4$ units/mg). Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



