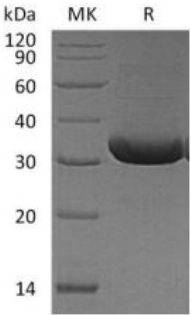
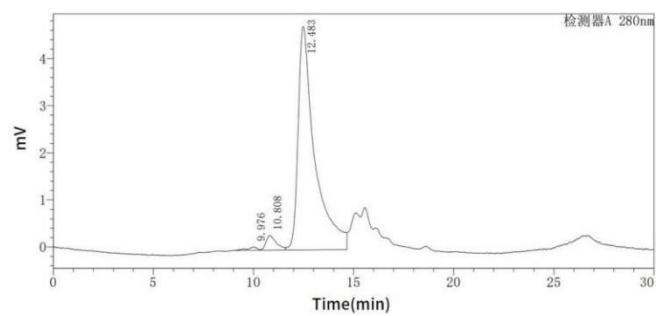


Recombinant Mouse RANK L

Catalog#:P02067 Derived from *Human Cells*

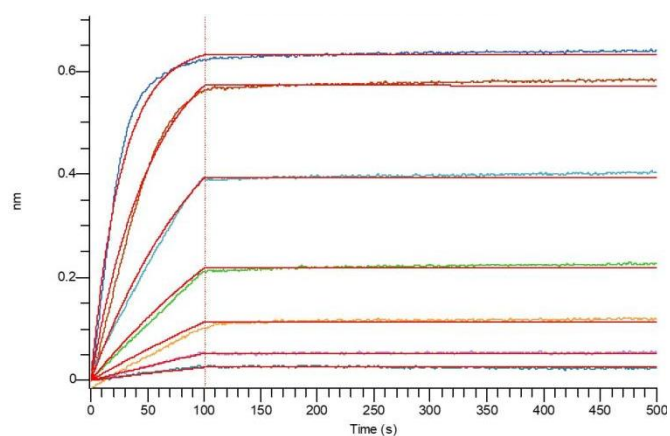
DESCRIPTION	<p>Recombinant Mouse TNF-related Activation-induced Cytokine is produced by our Mammalian expression system and the target gene encoding Arg43-Asp287 is expressed with a 6His tag at the N-terminus.</p> <p>Accession#: BAA97257.1</p> <p>Known as: Tumor necrosis factor ligand superfamily member 11; Tnfsf11; Osteoclast differentiation factor; ODF; Osteoprotegerin ligand; OPGL; Receptor activator of nuclear factor kappa-B ligand; RANKL; TNF-related activation-induced cytokine; TRANCE; CD254</p>
FORMULATION	Lyophilized from a 0.2 µm filtered solution of 20mM Hepes-NaOH, 50mM NaCl, 6% Trehalose, 4% Mannitol, 0.05% Tween 80, pH 8.0.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt.</p> <p>Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass: 28.3 KDa AP Mol Mass: 30-35 KDa, reducing conditions.</p> <p>Purity: Greater than 90% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: < 1 EU/µg as determined by LAL test.</p>
BACKGROUND	<p>Mouse tumor necrosis factor ligand superfamily member 11(Tnfsf11) is a member of the tumor necrosis factor (TNF) cytokine family. Tnfsf11 is widely expressed in cells including T cells and T cell rich organs, such as thymus and lymph nodes. This cytokine can bind to TNFRSF11B/OPG and TNFRSF11A/RANK. Tnfsf11 is involved in a number of fundamental biological processes such as acting as regulator of interactions between T-cells and dendritic cells, the regulation of the T-cell-dependent immune response and enhancing bone-resorption in humoral hypercalcemia of malignancy. It augments the ability of dendritic cells to stimulate naive T-cell proliferation.</p>
<div style="text-align: center;">  <p>SDS-PAGE</p> </div>	

Purity-SEC-HPLC:



Greater than 90% as determined by SEC-HPLC.

Bioactivity-BLI:



Loaded Recombinant Human OPG-Fc on Pro A Biosensor, can bind Mouse RANKL-His with an affinity constant of 1.02 pM as determined in BLI assay.