Mouse RANKL/TNFSF11/CD254 Protein

Cat. No. RKL-MM101

Description

Source	Recombinant Mouse RANKL/TNFSF11/CD254 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Tyr70-Asp316.
Accession	AAC40113.1
Molecular Weight	The protein has a predicted MW of 28.97 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

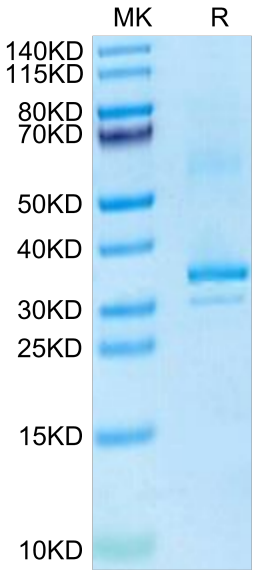
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Receptor activator of nuclear factor x03BA;B (RANK) and its ligand (RANKL) have originally been described for their key roles in bone metabolism and the immune system. Subsequently, it has been shown that the RANKL-RANK system is critical in the formation of mammary epithelia in lactating females and the thermoregulation of the central nervous system. RANKL and RANK are under the tight control of the female sex hormones estradiol and progesterone.

Assay Data

Bis-Tris PAGE



Mouse RANKL on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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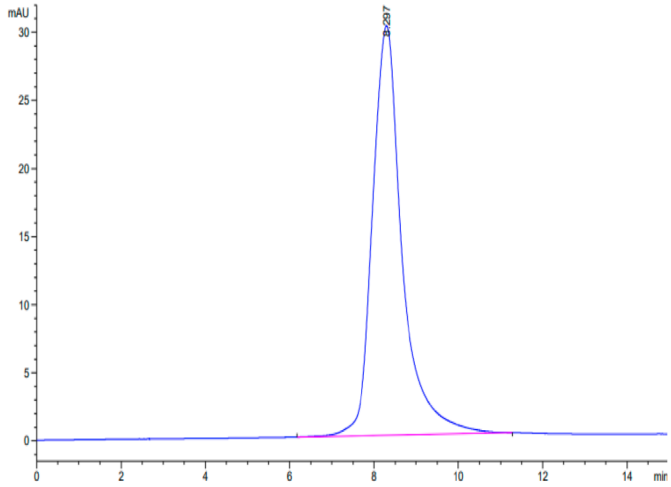
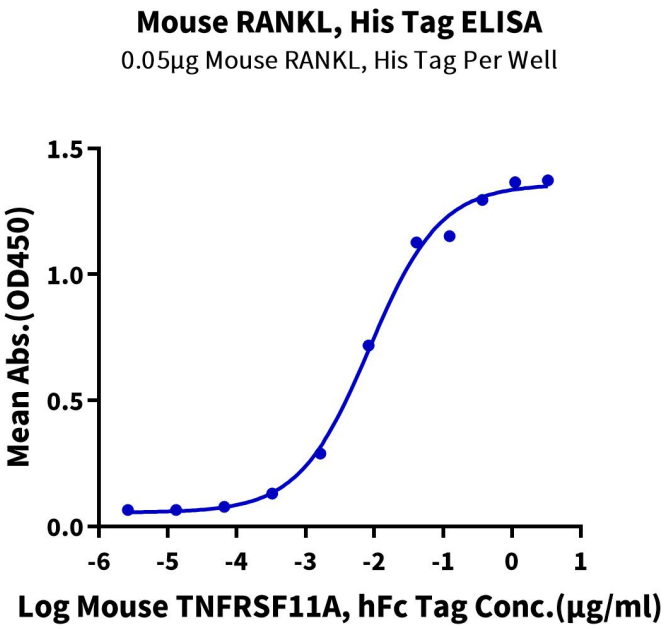
Assay Data



The purity of Mouse RANKL is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Mouse RANKL, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Mouse TNFRSF11A, hFc Tag with the EC50 of 8.5ng/ml determined by ELISA.