Mouse TNFRSF11A/Rank Protein

Cat. No. RNK-MM211

Description

Source	Recombinant Mouse TNFRSF11A/Rank Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Val31-Ser214.
Accession	O35305
Molecular Weight	The protein has a predicted MW of 47.0 kDa. Due to glycosylation, the protein migrates to 57-67 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

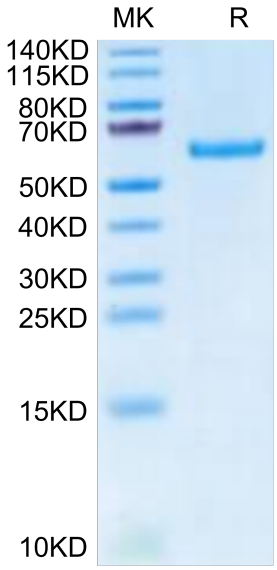
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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

TNFRSF11A, also known as receptor activator of NF-κB (RANK), activates several signaling pathways, such as NF-κB, JNK, ERK, p38α, and Akt/PKB. RANK/TNFRSF11A is a novel and frequent target for de novo methylation in gliomas, which affects apoptotic activity and focus formation thereby contributing to the molecular pathogenesis of gliomas.

Assay Data

Bis-Tris PAGE



Mouse TNFRSF11A on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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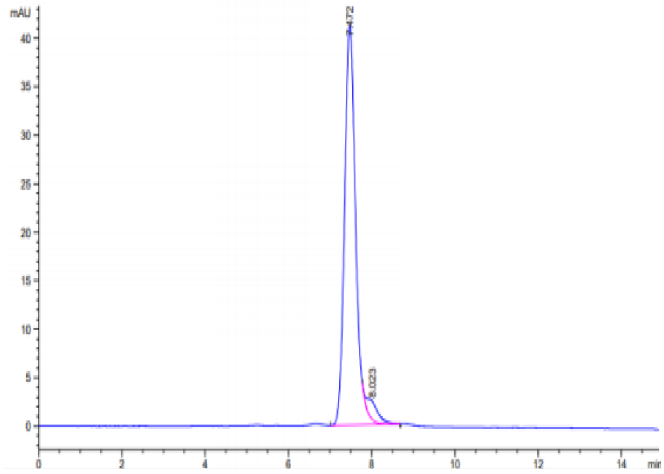
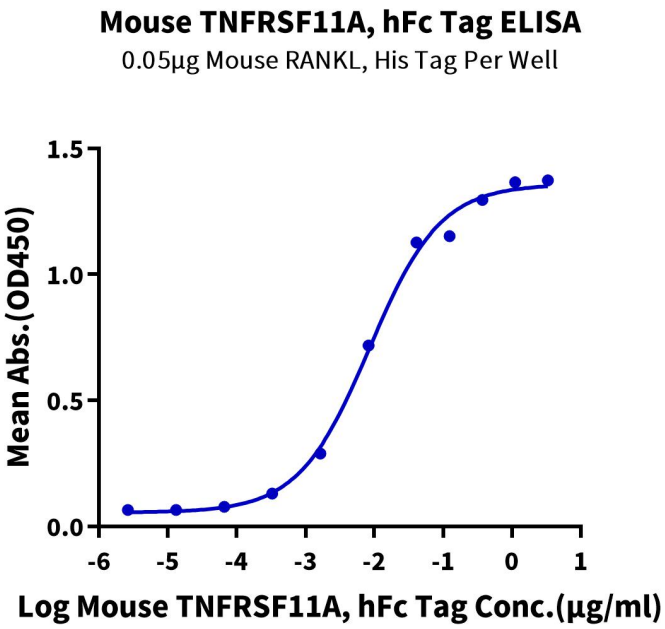
Assay Data



The purity of Mouse TNFRSF11A 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.