

Mouse TNFSF12/TWEAK Protein



Cat. No. TNF-MM612

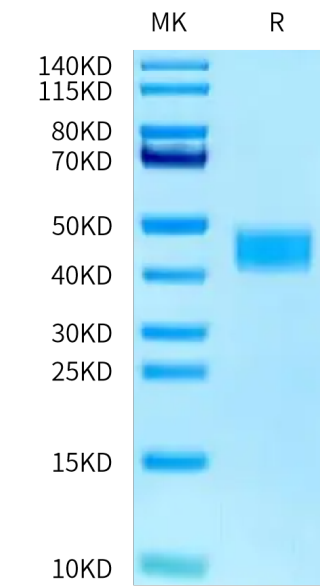
Description	
Source	Recombinant Mouse TNFSF12/TWEAK Protein is expressed from HEK293 with Rabbit Fc tag at the N-terminus. It contains Ser46-His249.
Accession	O54907
Molecular Weight	The protein has a predicted MW of 48.95 kDa. Due to furin cleavage and glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

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	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
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	
Tumor necrosis factor-like weak inducer of apoptosis (TWEAK) is a well known multifunctional cytokine extensively distributed in cell types and tissues. Accumulating evidence has shown that TWEAK binding to the receptor factor-inducible 14 (Fn14) participates in diverse pathologic processes including cell proliferation and death, angiogenesis, carcinogenesis and inflammation.	

Assay Data

Bis-Tris PAGE



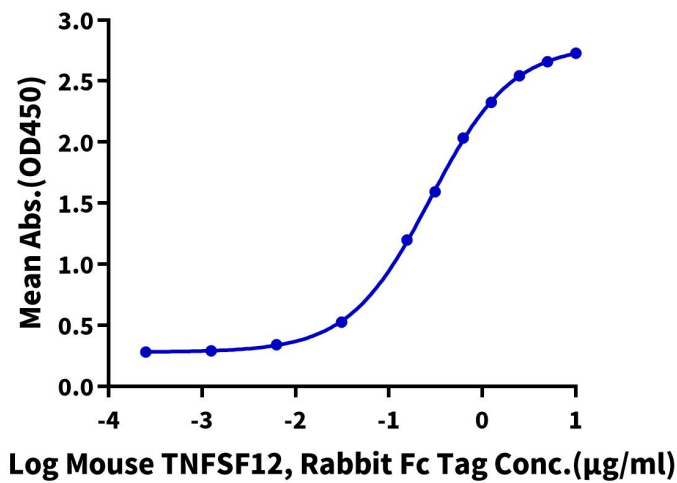
Mouse TNFSF12 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

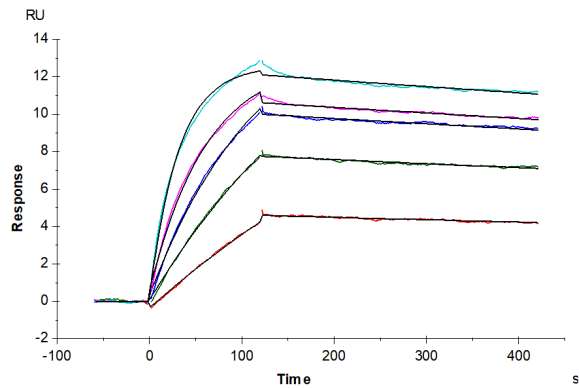
Mouse TNFSF12, Rabbit Fc Tag ELISA

0.5µg Mouse TNFRSF12A, hFc Tag Per Well



Immobilized Mouse TNFRSF12A, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Mouse TNFSF12, Rabbit Fc Tag with the EC50 of 0.28µg/ml determined by ELISA (QC Test).

SPR Data



Mouse TNFSF12, Rabbit Fc Tag immobilized on CM5 Chip can bind Mouse TNFRSF12A, hFc Tag with an affinity constant of 0.12 nM as determined in SPR assay (Biacore T200).