

Mouse APRIL/TNFSF13 Protein

Cat. No. APR-MM113

Description

Source	Recombinant Mouse APRIL/TNFSF13 Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Ala96-Leu241.
Accession	Q9D777
Molecular Weight	The protein has a predicted MW of 18.53 kDa. Due to glycosylation, the protein migrates to 24-30 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 90% as determined by Tris-Bis PAGE > 90% as determined by HPLC

Formulation and Storage

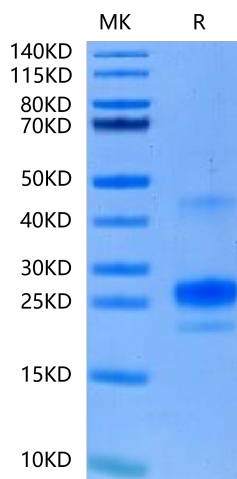
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The APRIL (a proliferation-inducing ligand), also known as TNFSF13, TALL2, TRDL1, and CD256, is a member of the TNF ligand superfamily. Both APRIL and its close relative BAFF bind and signal through the TNF superfamily receptors TACI and BCMA, while BAFF additionally functions through BAFF R.

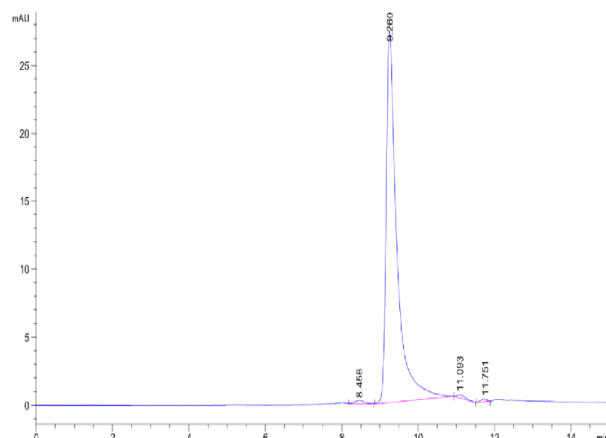
Assay Data

Tris-Bis PAGE



Mouse APRIL on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

SEC-HPLC



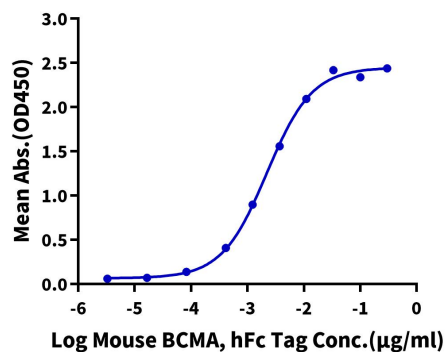
The purity of Mouse APRIL is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

Mouse APRIL, His Tag ELISA

0.05µg Mouse APRIL, His Tag Per Well



Immobilized Mouse APRIL, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Mouse BCMA, hFc Tag with the EC50 of 2.2ng/ml determined by ELISA.