

Biotinylated Human APRIL/TNFSF13 Trimer Protein (Primary Amine Labeling)



Cat. No. APR-HM110B

Description

Source	Recombinant Biotinylated Human APRIL/TNFSF13 Trimer Protein (Primary Amine Labeling) is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Lys112-Leu250.
Accession	O75888-1
Molecular Weight	The protein has a predicted MW of 49.9 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

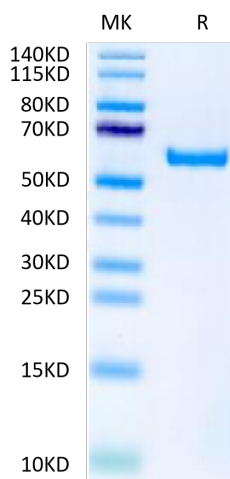
Formulation	Lyophilized from 0.22µm filtered solution in PBS, 200mM Arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

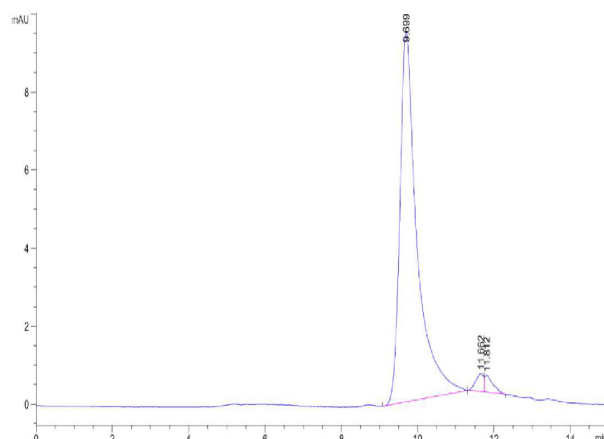
Assay Data

Tris-Bis PAGE



Biotinylated Human APRIL Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

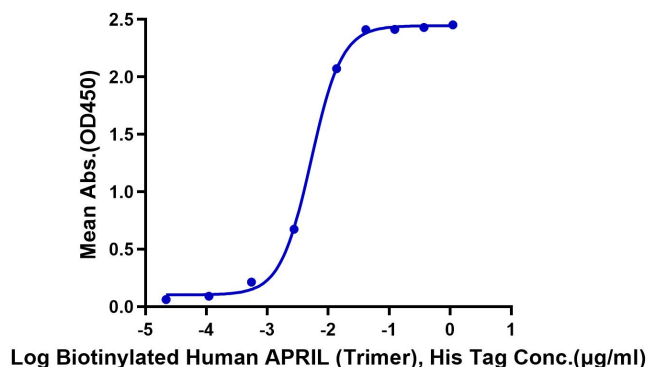


The purity of Biotinylated Human APRIL Trimer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Human APRIL (Trimer), His Tag ELISA
0.05µg Human BCMA, hFc Tag Per Well



Immobilized Human BCMA, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human APRIL (Trimer) , His Tag with the EC50 of 5.2ng/ml determined by ELISA.