Human APRIL/TNFSF13 Trimer Protein

Cat. No. APR-HM110

Description

Source	Recombinant Human APRIL/TNFSF13 Trimer Protein 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 52-60 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

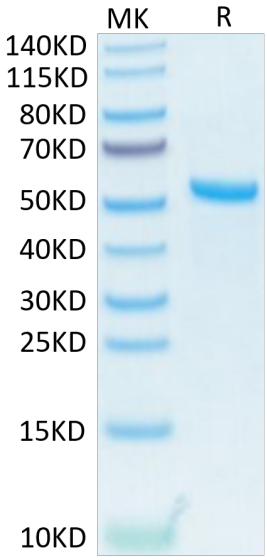
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled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

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

Bis-Tris PAGE



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

SEC-HPLC

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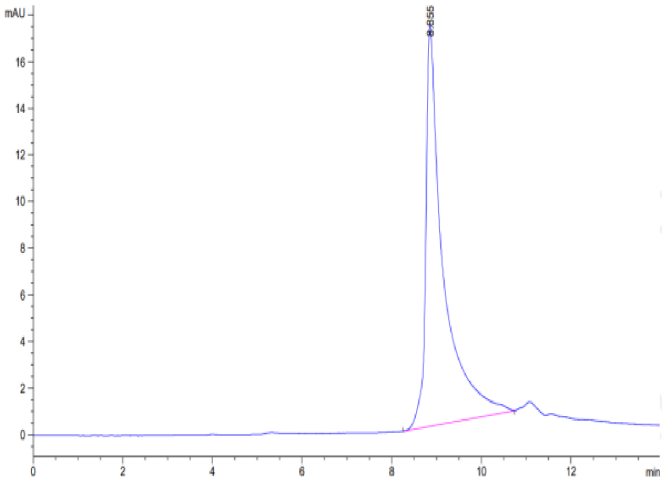
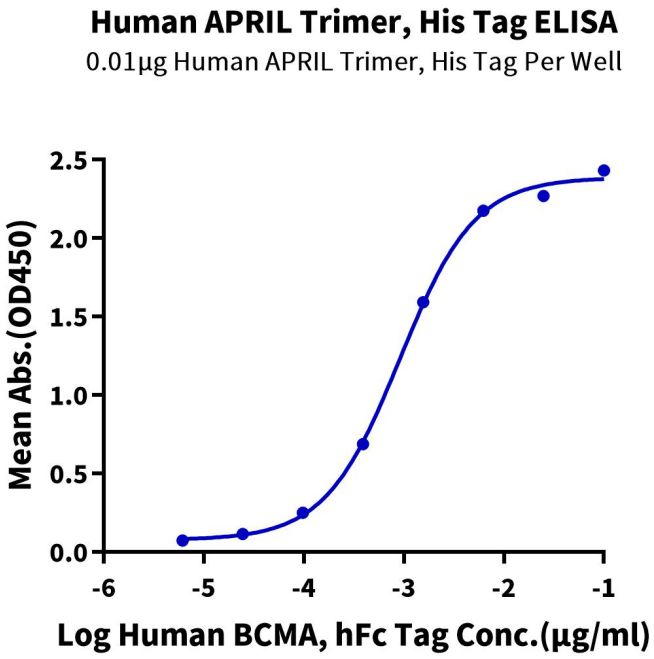
Assay Data



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

ELISA Data



Immobilized Human APRIL Trimer, His Tag at 0.1μg/ml (100μl/well) on the plate. Dose response curve for Human BCMA, hFc Tag with the EC50 of 0.9ng/ml determined by ELISA (QC Test).