

# Biotinylated Human APRIL/TNFSF13 Trimer Protein

Cat. No. APR-HM410B

## Description

<b>Source</b>	Recombinant Biotinylated Human APRIL/TNFSF13 Trimer Protein is expressed from HEK293 with His tag, Avi tag and Flag Tag at the N-Terminus. It contains Lys112-Leu250.
<b>Accession</b>	O75888-1
<b>Molecular Weight</b>	The protein has a predicted MW of 52.1 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 90% as determined by HPLC

## Formulation and Storage

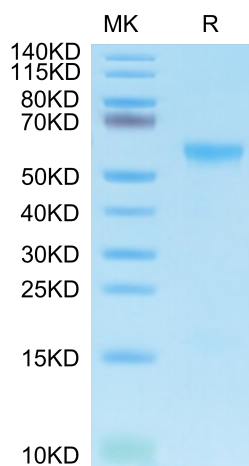
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in 20mM PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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



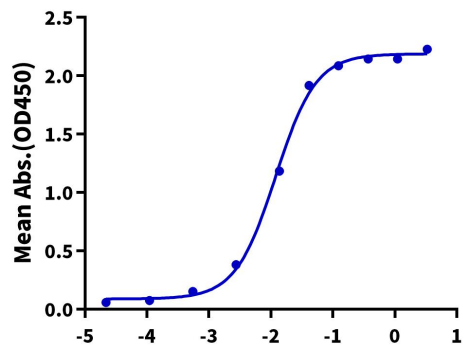
Biotinylated Human APRIL Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 90%.

### ELISA Data

Assay Data

**Biotinylated Human APRIL (Trimer), His Tag ELISA**

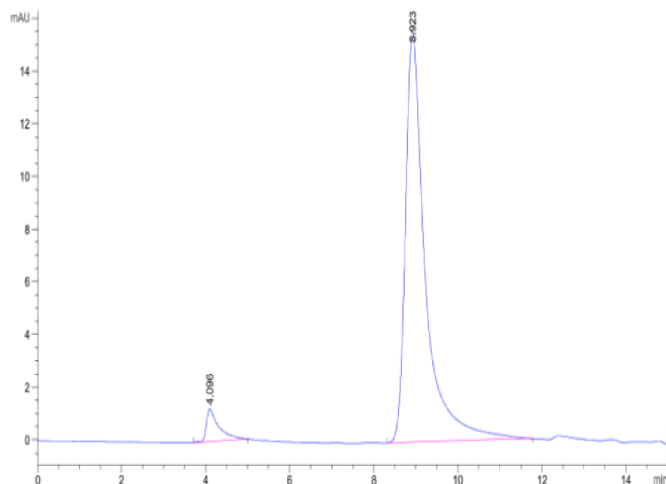
0.05µg Human BCMA, hFc Tag Per Well



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 11.9ng/ml determined by ELISA.

Log Biotinylated Human APRIL (Trimer), His Tag Conc.(µg/ml)

SEC-HPLC



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