

# Mouse APRIL/TNFSF13 Protein

Cat. No. APR-MM110

## Description

<b>Source</b>	Recombinant Mouse APRIL/TNFSF13 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ala96-Leu241.
<b>Accession</b>	Q9D777
<b>Molecular Weight</b>	The protein has a predicted MW of 43.20 kDa. Due to glycosylation, the protein migrates to 53-63 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 > 95% as determined by HPLC

## Formulation and Storage

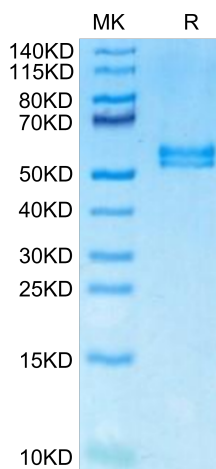
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein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

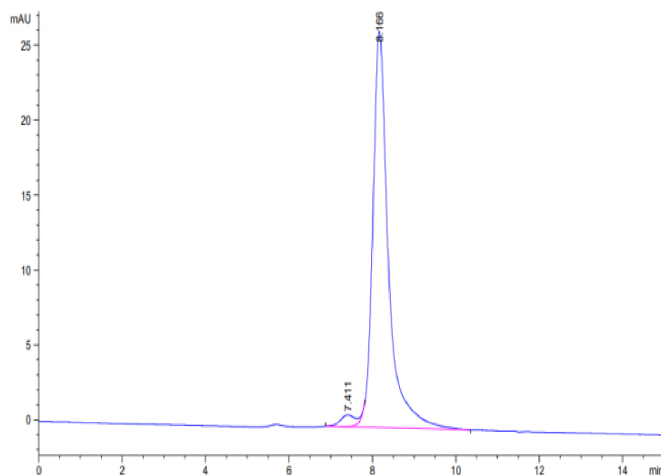
### Tris-Bis PAGE



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

### SEC-HPLC

Assay Data

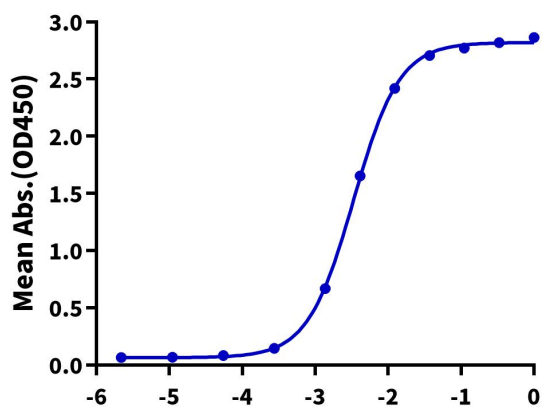


The purity of Mouse APRIL is greater than 95% as determined by SEC-HPLC.

ELISA Data

Mouse APRIL, hFc Tag ELISA

0.5µg Mouse APRIL, hFc Tag Per Well



Immobilized Mouse APRIL, hFc Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse BCMA, His Tag with the EC50 of 3.4ng/ml determined by ELISA.