

# Cynomolgus APRIL/TNFSF13 Trimer Protein

Cat. No. APR-CM410

## Description

<b>Source</b>	Recombinant Cynomolgus APRIL/TNFSF13 Trimer Protein is expressed from HEK293 with His tag and Flag tag and Avi tag at the N-Terminus. It contains Lys112-Leu250.
<b>Accession</b>	AOA2K5TJA1
<b>Molecular Weight</b>	The protein has a predicted MW of 52.1 kDa. Due to glycosylation, the protein migrates to 55-60 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

## Formulation and Storage

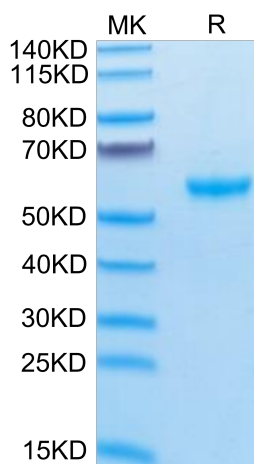
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in 50mM Tris, 150mM NaCl, 200mM L-arginine (pH 8.0). Normally 8% trehalose / 8% mannitol is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 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 BAFFR.

## Assay Data

### Tris-Bis PAGE

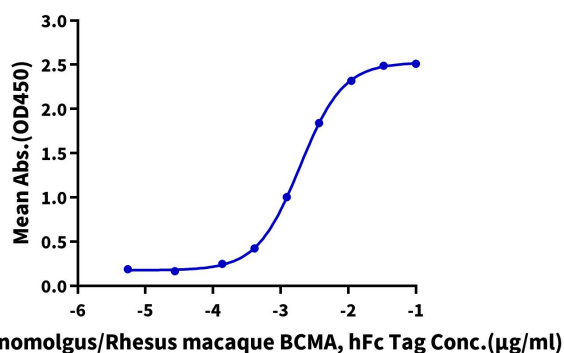


Cynomolgus APRIL Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Cynomolgus APRIL (Trimer), His Tag ELISA

0.1µg Cynomolgus APRIL (Trimer), His Tag Per Well



Immobilized Cynomolgus APRIL (Trimer), His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Cynomolgus/Rhesus macaque BCMA, hFc Tag with the EC50 of 1.9ng/ml determined by ELISA.