

# Mouse APRIL / TNFSF13 Protein, Fc Tag, low endotoxin (MALS verified)

Catalog # APL-M5363



BIOSYSTEMS  
**Acro**

## Synonym

APRIL, TNFSF13, TALL-2, TRDL-1, CD256, TALL2, ZTNF2

## Source

Mouse APRIL Protein, Fc Tag (APL-M5363) is expressed from CHO cells. It contains AA Ala 96 - Leu 241 (Accession # [Q9D777](#)).

Predicted N-terminus: Pro

## Molecular Characterization

Fc(Pro 100 - Lys 330) P01857-1	APRIL(Ala 96 - Leu 241) Q9D777
-----------------------------------	-----------------------------------

This protein carries a human IgG1 Fc tag at the N-terminus.

The protein has a calculated MW of 42.9 kDa. The protein migrates as 43-53 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

The protein is designed as a trimer.

## Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.**

## Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

**Please avoid repeated freeze-thaw cycles.**

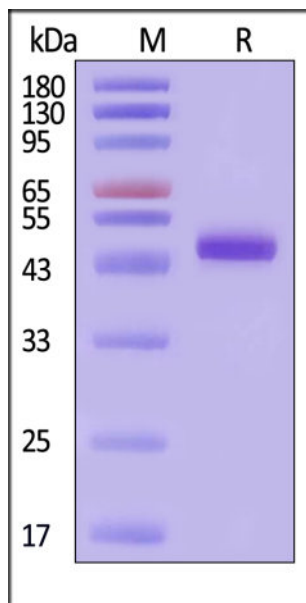
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## ACRO Quality Management System

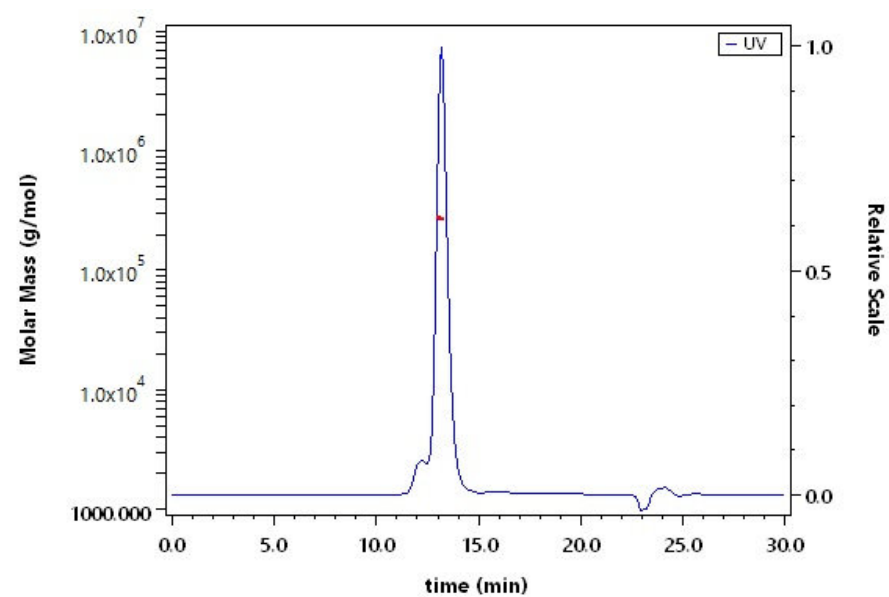
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



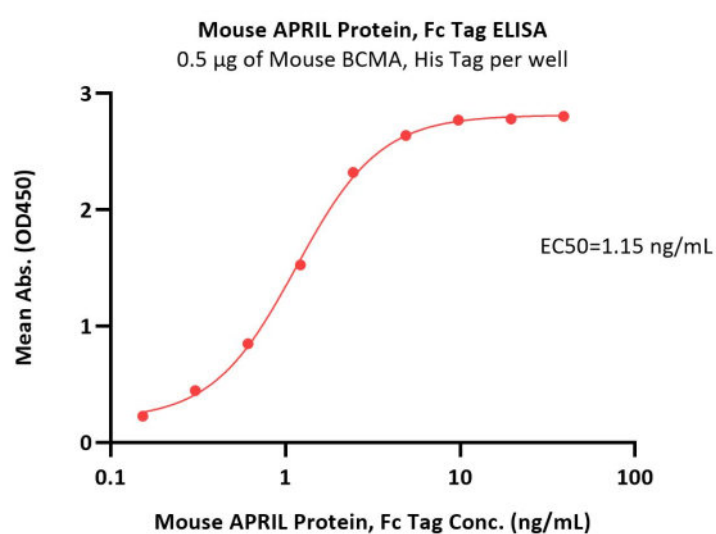
Mouse APRIL Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## SEC-MALS

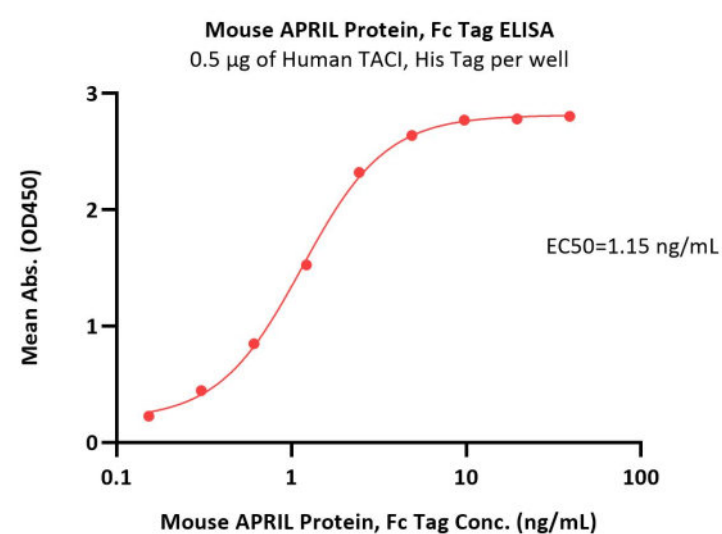


The purity of Mouse APRIL Protein, Fc Tag (Cat. No. APL-M5363) is more than 90% and the molecular weight of this protein is around 255-285 kDa verified by SEC-MALS.

## Bioactivity-ELISA



Immobilized Mouse BCMA, His Tag (Cat. No. BCA-M52H3) at 5 µg/mL (100 µL/well) can bind Mouse APRIL Protein, Fc Tag (Cat. No. APL-M5363) with a linear range of 0.2-2 ng/mL (QC tested).



Immobilized Human TACI, His Tag (Cat. No. TAI-H52H3) at 5 µg/mL (100 µL/well) can bind Mouse APRIL Protein, Fc Tag (Cat. No. APL-M5363) with a linear range of 0.2-2 ng/mL (Routinely tested).

## Background

APRIL (a proliferation-inducing ligand) is also known as Tumor necrosis factor ligand superfamily member 13, TALL-2, TRDL-1, CD256, TNFSF 13, cytokine that binds to TNFRSF13B/TACI and to TNFRSF17/BCMA. APRIL is a cytokine of the tumor necrosis factor family associated mainly with hematologic malignancies. The closely related TNF family ligands B cell activation factor (BAFF) and a proliferation-inducing ligand (APRIL) serve in the generation and maintenance of mature B-lymphocytes. Both BAFF and APRIL assemble as homotrimers that bind and activate several receptors that they partially share. BAFF-APRIL heteromers of different stoichiometries have distinct receptor-binding properties and activities. In addition, expression of APRIL was regulated by miR-145 in GC cells.

Discounts, Gifts,  
and more!



[www.acrobiosystems.com](http://www.acrobiosystems.com)

