



## Synonym

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

## Source

Human APRIL Protein, Fc Tag (APL-H5263) is expressed from human 293 cells (HEK293). It contains AA Gln 111 - Leu 250 (Accession # [O75888-1](#)).

Predicted N-terminus: Pro

## Molecular Characterization

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Fc(Pro 100 - Lys 330)<br>P01857 | APRIL(Gln 111 - Leu 250)<br>O75888-1 |
|---------------------------------|--------------------------------------|

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

The protein has a calculated MW of 42.2 kDa. The protein migrates as 45-53 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 1.0 EU per µg by the LAL method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 0.5 M Arginine, 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

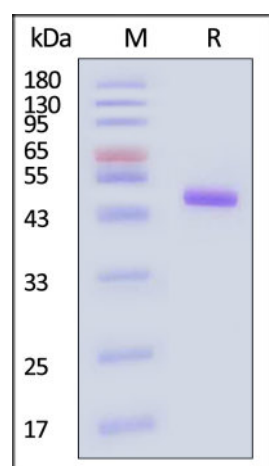
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

## SDS-PAGE



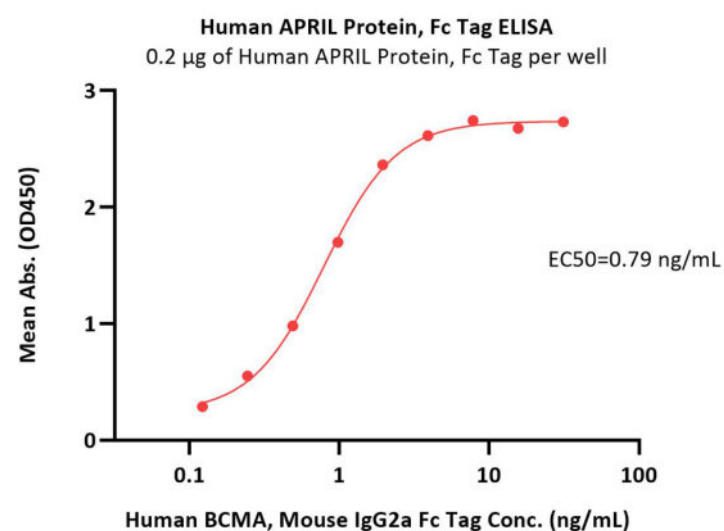
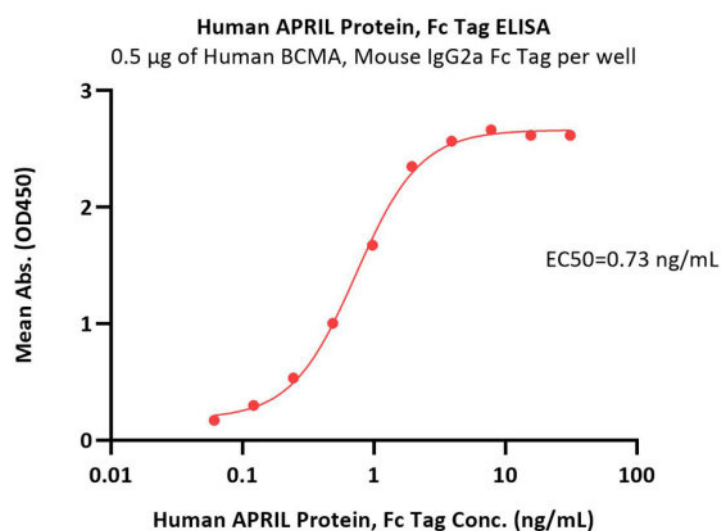
Human APRIL Protein, Fc Tag on SDS-PAGE under reducing (R) condition.

The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Bioactivity-ELISA

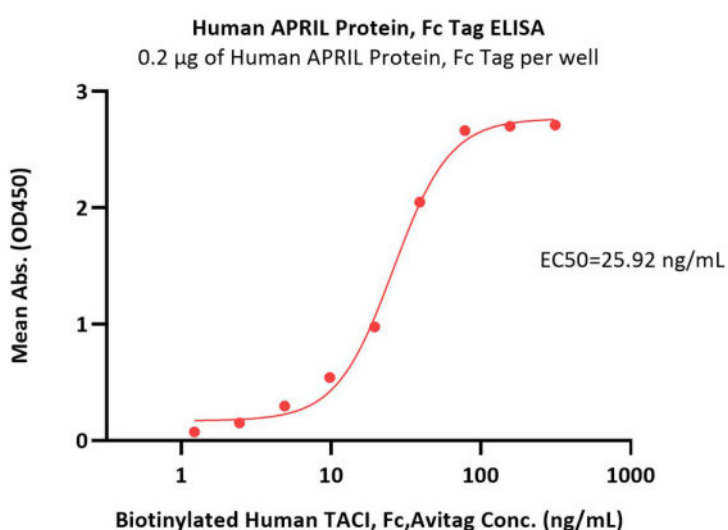
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and more!





Immobilized Human BCMA, Mouse IgG2a Fc Tag (Cat. No. BCA-H5253) at 5 µg/mL (100 µL/well) can bind Human APRIL Protein, Fc Tag (Cat. No. APL-H5263) with a linear range of 0.06-2 ng/mL (QC tested).

Immobilized Human APRIL Protein, Fc Tag (Cat. No. APL-H5263) at 2 µg/mL (100 µL/well) can bind Human BCMA, Mouse IgG2a Fc Tag (Cat. No. BCA-H5253) with a linear range of 0.1-1 ng/mL (Routinely tested).



Immobilized Human APRIL Protein, Fc Tag (Cat. No. APL-H5263) at 2 µg/mL (100 µL/well) can bind Biotinylated Human TACI, Fc,Avitag (Cat. No. TAI-H82F6) with a linear range of 1-39 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.

**Clinical and Translational Updates**

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