



## Synonym

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

## Source

Biotinylated Human APRIL, Fc,Avitag(APL-H82F5) is expressed from human 293 cells (HEK293). It contains AA Ala 105 - Leu 250 (Accession # [O75888-1](#)). Predicted N-terminus: Pro

## Molecular Characterization

Fc(Pro 100 - Lys 330) P01857	Avi	APRIL(Ala 105 - Leu 250) O75888-1
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This protein carries a human IgG1 Fc tag at the N-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 44.6 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

## Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

## Purity

>95% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 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

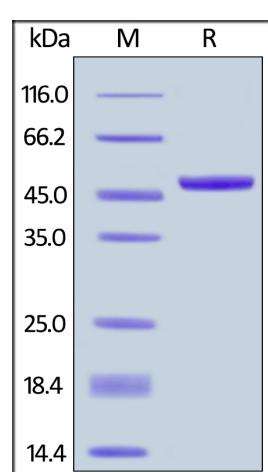
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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



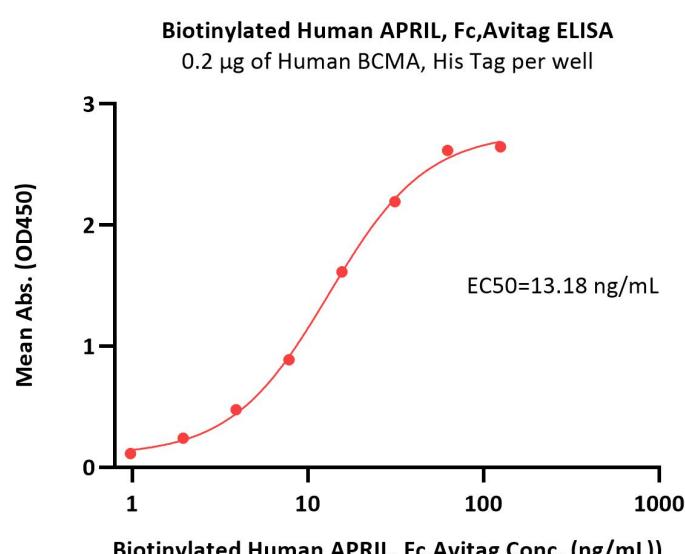
Biotinylated Human APRIL, Fc,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA

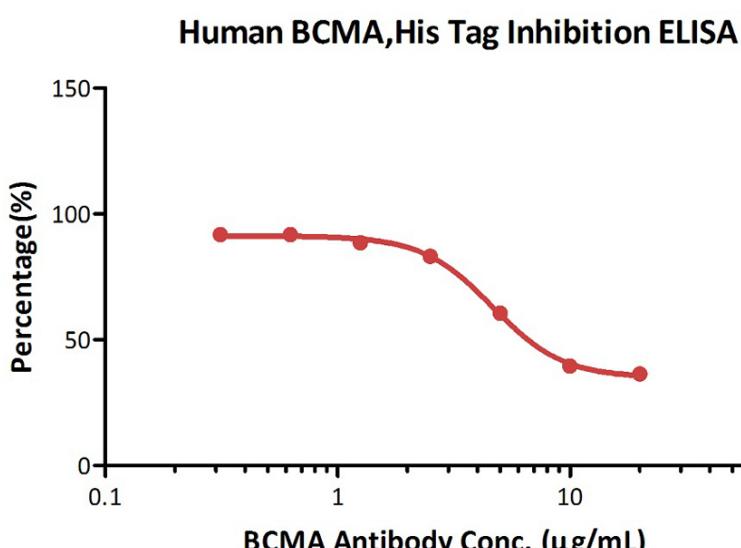
Discounts, Gifts,  
and more!



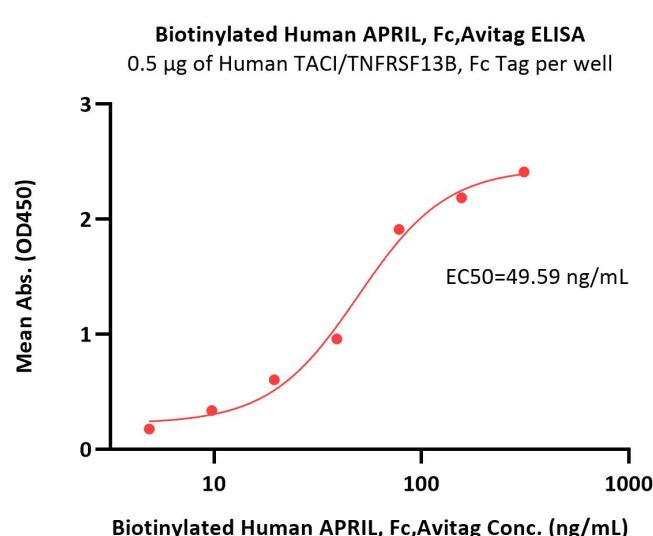
» [www.acrobiosystems.com](http://www.acrobiosystems.com)



Immobilized Human BCMA, His Tag (Cat. No. BCA-H522y) at 2 µg/mL (100 µL/well) can bind Biotinylated Human APRIL, Fc,Avitag (Cat. No. APL-H82F5) with a linear range of 1-20 ng/mL (QC tested).



Immobilized Human BCMA, His Tag (Cat. No. BCA-H522y) at 2 µg/mL (100 µL/well) can bind pre-mixed increasing concentrations of Anti-BCMA MAb (Mouse IgG1, the antibody was co developed by SCT and ACROBiosystems) and 0.05 µg/mL (100 µL/well) Biotinylated Human APRIL, Fc,Avitag (Cat. No. APL-H82F5) with a half maximal inhibitory concentration (IC50) of 4.624 µg/mL (Routinely tested).



Immobilized Human TACI/TNFRSF13B, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human APRIL, Fc,Avitag (Cat. No. APL-H82F5) with a linear range of 5-78 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, TNFSF13, 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.

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