

Recombinant Human TNFSF13 protein, Fc-tagged

Cat. No. TNFSF13-386H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TNFSF13 protein (Ala105-Leu250), fused to human IgG1 Fc tag at N-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	146
Description	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.
Form	Lyophilized from 0.22 um filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 42.8 kDa. The protein migrates as 48 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 centigrade to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	TNFSF13
Official Symbol	TNFSF13
Synonyms	TNFSF13; tumor necrosis factor (ligand) superfamily, member 13; tumor necrosis factor ligand superfamily member 13; APRIL; CD256; a proliferation-inducing ligand; tumor necrosis factor-like protein ZTNF2; tumor necrosis factor-related death ligand-1; TNF- and APOL-related leukocyte expressed ligand 2; TALL2; ZTNF2; TALL-2; TRDL-1; FLJ57090; UNQ383/PRO715
Gene ID	8741
mRNA Refseq	NM_001198622
Protein Refseq	NP_001185551

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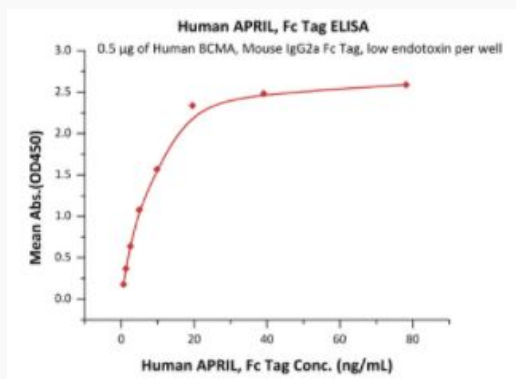
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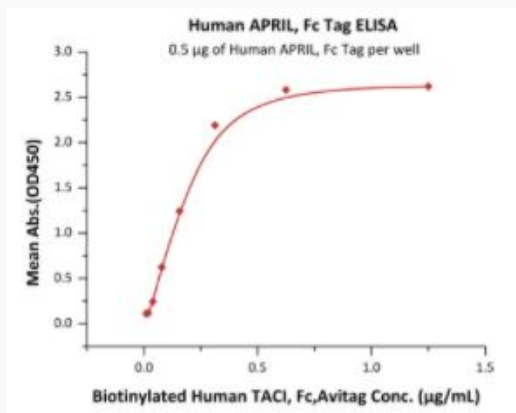
UniProt ID O75888

**Bioactivity-ELISA of
TNFSF13-386H**



Immobilized Human BCMA, Mouse IgG2a Fc Tag, low endotoxin at 5 µg/mL (100 µL/well) can bind Human APRIL, Fc Tag with a linear range of 0.6-10 ng/mL (QC tested).

**Bioactivity-ELISA of
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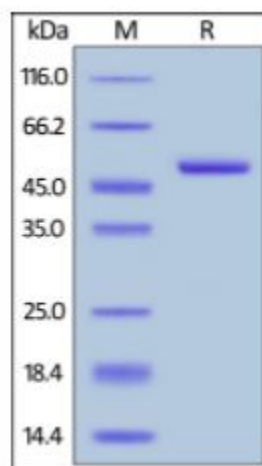
Immobilized Human APRIL, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Human TACI, Fc, Avitag with a linear range of 0.01-0.313 µg/mL (Routinely tested).

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

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