

Human CellExp™ APRIL / TNFSF13, Human Recombinant

CATALOG NO:	P1372-10	10 µg
	P1372-50	50 µg
ALTERNATE NAMES:	APRIL, TNFSF13, TALL-2, TRDL-1, CD256, TALL2, ZTNF2	
SOURCE:	HEK 293 cells (Ala 105 - Leu 250)	
PURITY:	> 95% by SDS – PAGE	
MOL. WEIGHT:	This protein carries a human IgG1 Fc tag at the N-terminus. 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	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex.	
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.	
SPECIFIC ACTIVITY:	Immobilized Human BCMA, Mouse IgG2a Fc Tag at 5 µg/mL (100 µL/well) can bind Human APRIL, Fc Tag with a linear range of 0.6-10 ng/mL	

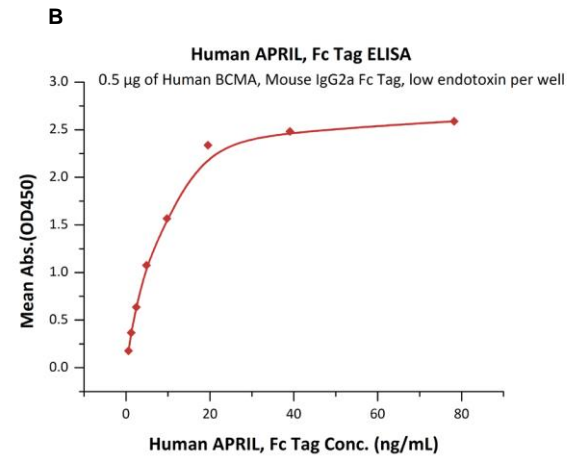
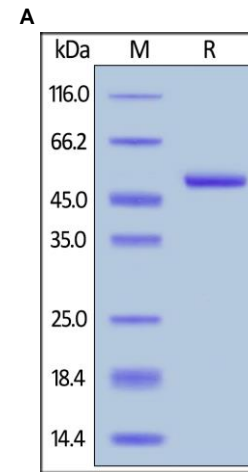


Fig. A. Human APRIL, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue.

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

RELATED PRODUCT:

- APRIL, Human Recombinant (**Cat. No. 7117**)
- APRIL, Mouse Recombinant (**Cat. No. 7118**)
- Human CellExp™ CD40 Ligand / TNFSF5, Fc tag, Human Recombinant (**Cat. No. P1175**)
- Human CellExp™ CD40 Ligand / TNFSF5, Human Recombinant (**Cat. No. P1174**)
- Human CellExp™ CD172A / SIRP, human recombinant (**Cat. No. 7506-10, -50**)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (**Cat. No. 7370-10, -50**)
- Human CellExp™ CD47, human recombinant (**Cat. No. 7385-10, -50**)
- Human CellExp™ CD55/DAF, human recombinant (**Cat. No. 7432-10, -50**)

FOR RESEARCH USE ONLY! Not to be used on humans.

