

Datasheet for ABIN7273914

BAFF Protein (AA 134-285) (Fc Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BAFF (TNFSF13B)
Protein Characteristics:	AA 134-285
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAFF protein is labelled with Fc Tag.

Product Details

Purpose:	Human BAFF/TNFSF13B/CD257 Protein
Sequence:	Ala134-Leu285
Characteristics:	Recombinant Human BAFF/TNFSF13B/CD257 Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Ala134-Leu285.
Purity:	> 90 % as determined by Tris-Bis PAGE, > 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human BCMA Trimer, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human BAFF, hFc Tag with the EC50 of 17ng/ml determined by ELISA. The affinity constant of 5.83 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

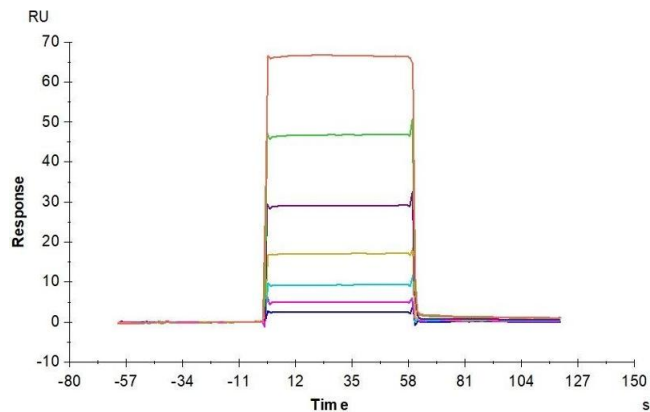
Target:	BAFF (TNFSF13B)
Alternative Name:	BAFF (TNFSF13B Products)
Background:	B-cell activating factor (BAFF) also known as tumor necrosis factor ligand superfamily member 13B is a protein that in humans is encoded by the TNFSF13B gene. BAFF is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFF-R.
Molecular Weight:	41.7 kDa. Due to glycosylation, the protein migrates to 45-48 kDa based on Tris-Bis PAGE result.
Pathways:	NF-kappaB Signaling , Production of Molecular Mediator of Immune Response

Application Details

Restrictions:	For Research Use only
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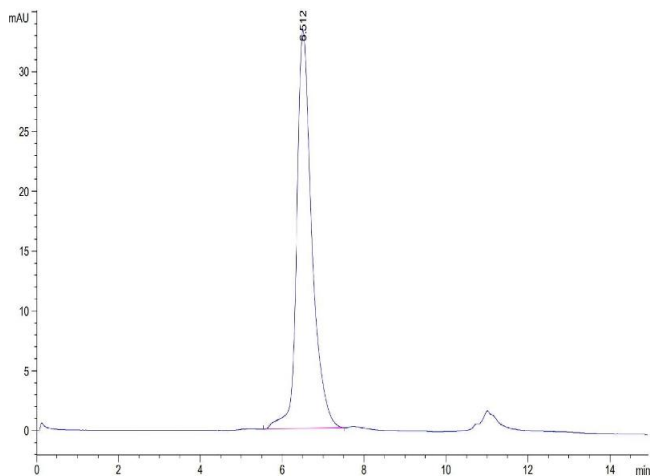
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Surface Plasmon Resonance

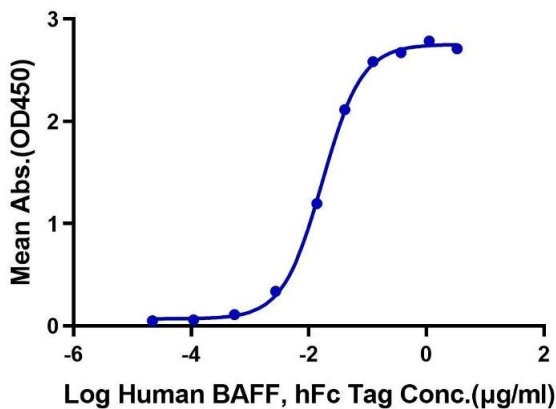
Image 1. Human BAFF, hFc Tag captured on CM5 Chip via Protein A can bind Mouse BCMA, His-Avi Tag with an affinity constant of 5.83 μM as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human BAFF is greater than 95 % as determined by SEC-HPLC.

Human BAFF, hFc Tag ELISA
0.05 μg Human BCMA Trimer, His Tag Per Well



ELISA

Image 3. Immobilized Human BCMA Trimer, His Tag at 0.5 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{Well}$) on the plate. Dose response curve for Human BAFF, hFc Tag with the EC_{50} of 17 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7273914.