antibodies

# Datasheet for ABIN7013454 BAFF Protein (AA 140-285) (Fc Tag)

3 Images



Overview

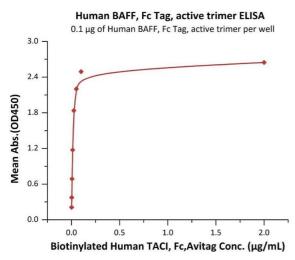
0.01.000	
Quantity:	100 µg
Target:	BAFF (TNFSF13B)
Protein Characteristics:	AA 140-285
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This BAFF protein is labelled with Fc Tag.
Product Details	
Characteristics:	Human BAFF / TNFSF13B / CD257 Protein, Fc Tag, active trimer (MALS verified)
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per $\mu$ g by the LAL method.
Target Details	
Target:	BAFF (TNFSF13B)
Alternative Name:	BAFF (TNFSF13B Products)
Background:	B-cell activating factor (BAFF) is also known as tumor necrosis factor ligand superfamily
	member 13B , TNFSF13B, BAFF, B Lymphocyte Stimulator (BLyS) , cluster of differentiation 257
	(CD257), DTL, TNF- and APOL-related leukocyte expressed ligand (TALL-1), THANK, TNFSF20,
	ZTNF4, and is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This
	ZTNF4, and is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. Th

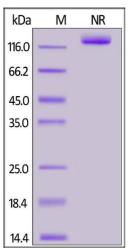
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7013454 | 09/10/2023 | Copyright antibodies-online. All rights reserved. cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells. It is expressed as transmembrane protein on various cell types including monocytes, dendritic cells and bone marrow stromal cells. BAFF is the natural ligand of three unusual tumor necrosis factor receptors named BAFF-R, TACI, and BCMA, all of which have differing binding affinities for it. These receptors are expressed mainly on mature B lymphocytes (TACI is also found on a subset of T-cells and BCMA on plasma cells). TACI binds worst since its affinity is higher for a protein similar to BAFF, called a proliferation-inducing ligand (APRIL). BCMA displays an intermediate binding phenotype and will work with either BAFF or APRIL to varying degrees. Signaling through BAFF-R and BCMA stimulates B lymphocytes to undergo proliferation and to counter apoptosis. All these ligands act as heterotrimers (i.e. three of the same molecule) interacting with heterotrimeric receptors, although BAFF has been known to be active as either a hetero- or homotrimer. BAFF acts as a potent B cell activator and has been shown to play an important role in the proliferation and differentiation of B cells.

Molecular Weight:	76.7 kDa
Pathways:	NF-kappaB Signaling, Production of Molecular Mediator of Immune Response

# **Application Details**

Application Notes:	MALS verified
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH 7.5
Storage:	-20 °C





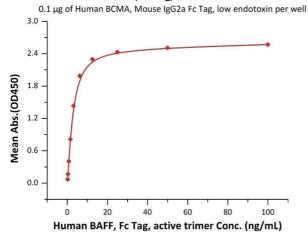
## **ELISA**

**Image 1.** Immobilized Human BAFF, Fc Tag, active trimer (ABIN6972950) at  $1 \mu g/mL$  (100  $\mu L/well$ ) can bind Biotinylated Human TACI, Fc,Avitag (ABIN5954907,ABIN6253586) with a linear range of 0.002-0.05  $\mu g/mL$  (Routinely tested).

### SDS-PAGE

**Image 2.** Human BAFF, Fc Tag, active trimer on under ing (NR) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .

#### Human BAFF, Fc Tag, active trimer ELISA



#### **ELISA**

**Image 3.** Immobilized Human BCMA, Mouse IgG2a Fc Tag, low endotoxin (ABIN6386435,ABIN6388271) at  $1 \mu g/mL$ (100  $\mu L/well$ ) can bind Human BAFF, Fc Tag, active trimer (ABIN6972950) with a linear range of 0.2-6 ng/mL (QC tested).

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