

32-17040: Recombinant Human BAFF protein with N-terminal human Fc

Uniprot ID : Q9Y275

Alternative Name : TNFSF13B,BAFF,BLYS,CD257,DTL,TALL1,THANK,TNFSF20,ZTNF4,TALL-1

Description

Expression Host : HEK293

The protein has a predicted molecular mass of 43.2 kDa after removal of the signal peptide. The apparent molecular mass of BAFF-hFc is approximately 50-55 kDa due to glycosylation.

The protein encoded by this gene 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/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. Alternatively spliced transcript variants encoding distinct isoforms have been identified.

Product Info

Amount : 50 µg

Purification : The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage condition : Store at -80°C for 12 months (Avoid repeated freezing and thawing)

Amino Acid : hFc^{3/4}Ala99-Ala330^{1/4}+BAFF^{1/4}Ala134-Leu285^{1/4}

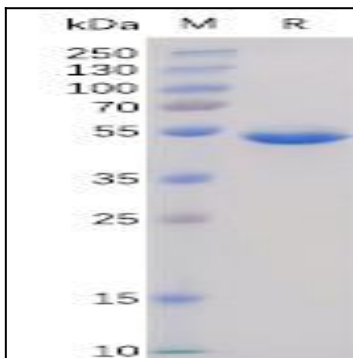


Figure 1. Human BAFF Protein, hFc Tag on SDS-PAGE under reducing condition.

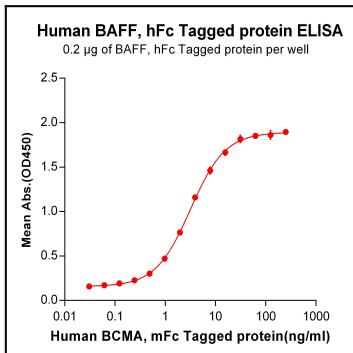


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human BAFF, hFc tagged protein can bind Human BCMA, mFc tagged protein in a linear range of 0.03-15.625 ng/ml.

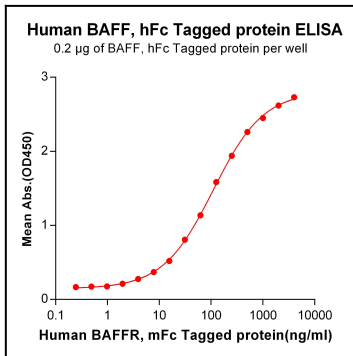


Figure 3. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human BAFF, hFc tagged protein can bind Human BAFF-R, mFc tagged protein in a linear range of 0.488-250.0 ng/ml.