

Human BAFFR/TNFRSF13C Protein

Cat. No. BAF-HM201

Description

Source	Recombinant Human BAFFR/TNFRSF13C Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ser7-Ala71.
Accession	Q96RJ3-1
Molecular Weight	The protein has a predicted MW of 33.3 kDa. Due to glycosylation, the protein migrates to 40-48 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

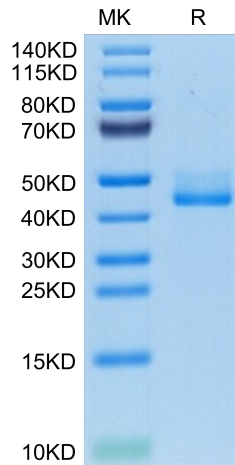
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

Background

BAFF binds to three TNF receptor superfamily members: B-cell maturation antigen (BCMA/TNFRSF17), transmembrane activator and calcium-modulator and cyclophilin ligand interactor (TACI/TNFRSF13B) and BAFF receptor (BAFF R/BR3/TNFRSF13C). These receptors are type III transmembrane proteins that lack a signal peptide. Whereas TACI and BCMA bind BAFF and another TNF superfamily ligand, APRIL (a proliferation-inducing ligand), BAFF R selectively binds BAFF.

Assay Data

Tris-Bis PAGE

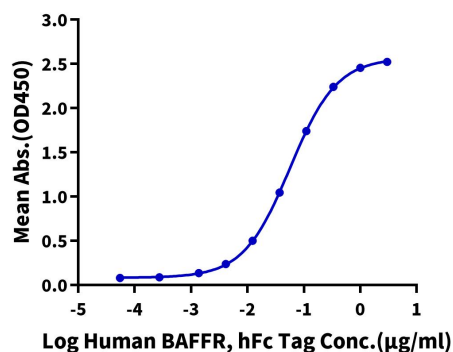


Human BAFFR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human BAFFR, hFc Tag ELISA

0.2 μg Human BAFF Trimer, His Tag Per Well



Immobilized Human BAFF Trimer, His Tag at 2 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$). Dose response curve for Human BAFFR, hFc Tag with the EC₅₀ of 56.9ng/ml determined by ELISA.