

Human BAFF/TNFSF13B/CD257 Trimer Protein

Cat. No. BAF-HM112

Description

Source	Recombinant Human BAFF/TNFSF13B/CD257 Trimer Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Thr141-Leu285.
Accession	Q9Y275-1
Molecular Weight	The protein has a predicted MW of 52.4 kDa. Due to glycosylation, the protein migrates to 53-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

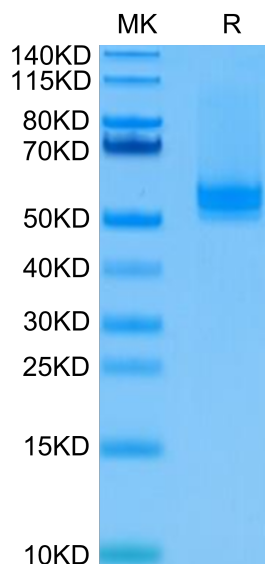
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

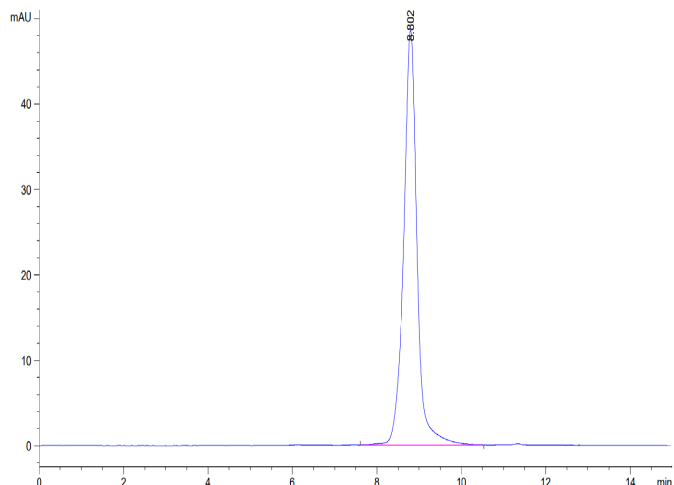
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

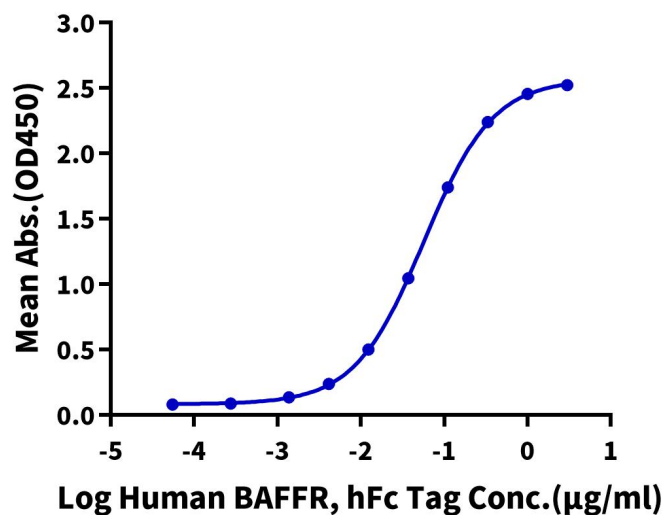


The purity of Human BAFF Trimer is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human BAFF Trimer, His Tag ELISA

0.2µg Human BAFF Trimer, His Tag Per Well

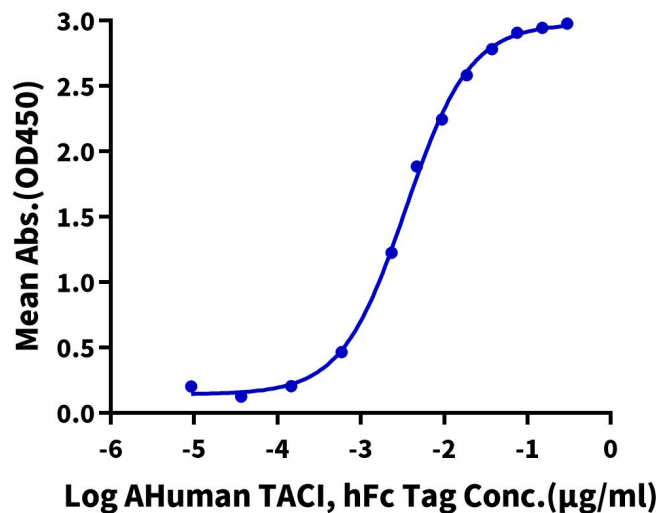


Immobilized Human BAFF Trimer, His Tag at 2µg/ml (100µl/well). Dose response curve for Human BAFFR, hFc Tag with the EC50 of 56.9ng/ml determined by ELISA (QC Test).

ELISA Data

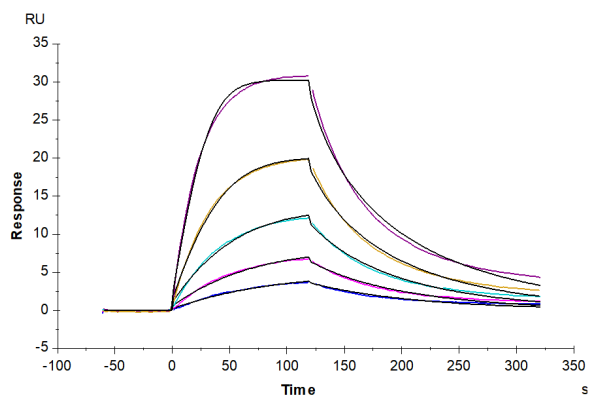
Assay Data

Human BAFF Trimer, His Tag ELISA

0.2 μ g Human BAFF Trimer, His Tag Per Well

Immobilized Human BAFF Trimer, His Tag at 2 μ g/ml (100 μ l/well) on the plate. Dose response curve for Human TACI, hFc Tag with the EC50 of 3.5ng/ml determined by ELISA.

SPR Data



Human BAFF Trimer, His Tag captured on CM5 Chip via Anti-His Antibody can bind Mouse BCMA, hFc Tag with an affinity constant of 6.59 nM as determined in SPR assay (Biacore T200).