

# Cynomolgus BAFF/TNFSF13B/CD257 Trimer Protein

Cat. No. BAF-CM412

| Description      |  |
|------------------|--|
| Source           | Recombinant Cynomolgus BAFF / TNFSF13B / CD257 Trimer Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus.<br>It contains Thr141-Leu285. |
| Accession        | A0A2K5V2X4   |
| Molecular Weight | The protein has a predicted MW of 54.2 kDa. Due to glycosylation, the protein migrates to 55-60 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<br>>90% as determined by HPLC  |

## Formulation and Storage

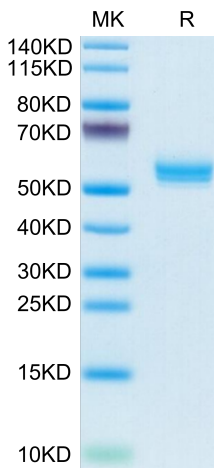
|                |   |
|----------------|---|
| Formulation    | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.  |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml 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.

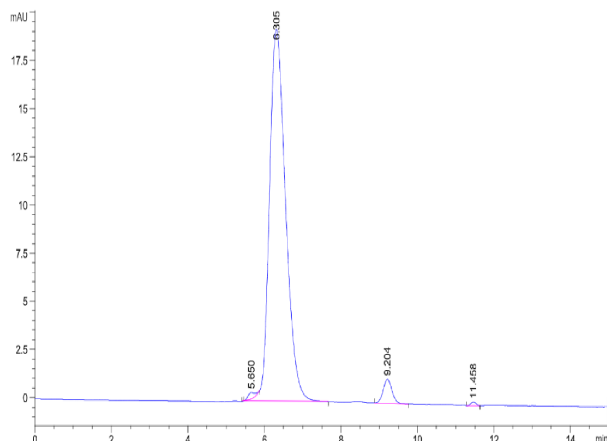
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



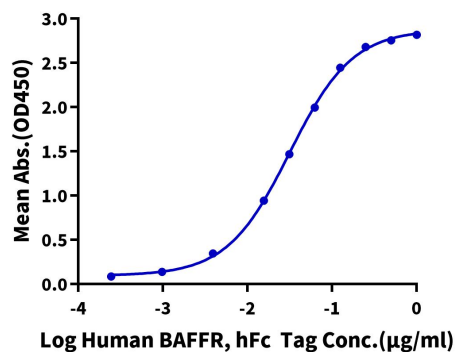
The purity of Cynomolgus BAFF Trimer is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Cynomolgus BAFF Trimer, His Tag ELISA**

0.2µg Cynomolgus BAFF Trimer, His Tag Per Well



Immobilized Cynomolgus BAFF Trimer, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human BAFFR, hFc Tag with the EC50 of 31.6ng/ml determined by ELISA.