

RP02052

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Recombinant Human TNFSF13B/BAFF/CD257 Trimer Protein

Catalog No.: RP02052

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	10673	Q9Y275

Tags

N-monomeric hFc&N-Flag

Synonyms

TNFSF13B;BAFF;BLYS;CD257;DTL;TALL-1;TALL1;THANK;TNFSF20;TNLG7A;ZTNF4

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

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.

Basic Information

Description

Recombinant Human OX40/TNFRSF4 Protein is produced by mammalian expression system. The target protein is expressed with sequence (Ala141-Leu285 Trimer) of human BAFF/TNFSF13B (Accession #Q9Y275) fused with an Fc tag at the N-terminus.

Bio-Activity

Immobilized Human BAFFR, His Tag at 1 μg/mL (100 μL/well), dose response curve for Human BAFF with the EC₅₀ of 0.15 μg/mL determined by ELISA.

Storage

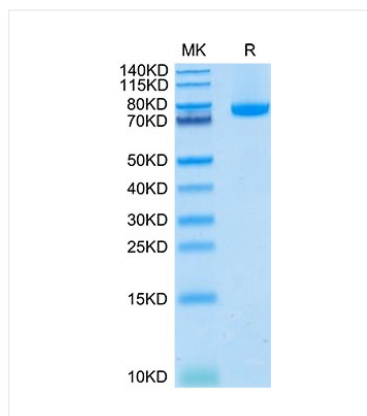
Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

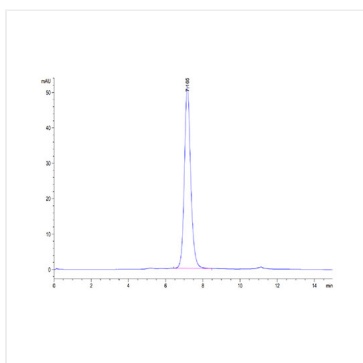


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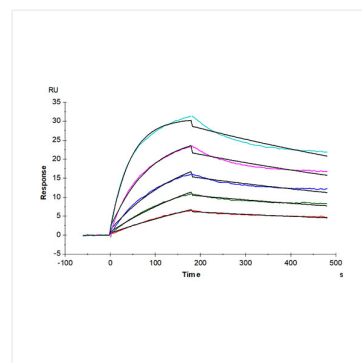
Validation Data



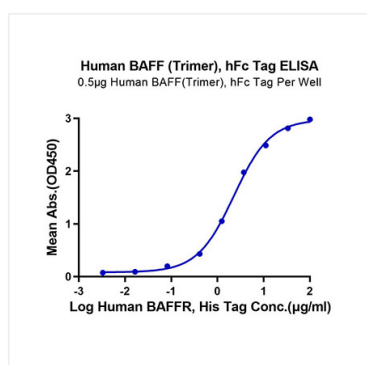
Human BAFF (Trimer) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human BAFF (Trimer) is greater than 94% as determined by SEC-HPLC.



Human BAFFR, His Tag captured on CM5 Chip via anti-his antibody can bind Human BAFF (Trimer), hFc-Flag Tag with an affinity constant of 1.21 nM as determined in SPR assay (Biacore T200).



Immobilized Human BAFF (Trimer), hFc Tag at 5μg/ml (100μl/Well) on the plate. Dose response curve for Human BAFFR, His Tag with the EC_{50} of 2.3μg/ml determined by ELISA.