

# Human BAFF/TNFSF13B/CD257 Trimer Protein

HA210272



<b>Product name:</b>	Human BAFF/TNFSF13B/CD257 Trimer Protein
<b>Species reactivity:</b>	Human
<b>Protein construction description:</b>	Recombinant Human BAFF/TNFSF13B/CD257 Trimer Protein is expressed from HEK293 with monomeric hFc tag and Flag tag at the N-Terminus. It contains Thr141-Leu285.
<b>Background:</b>	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.
<b>Purity:</b>	> 95% as determined by Tris-Bis PAGE > 94% as determined by HPLC
<b>Endotoxin:</b>	Less than 1EU per µg by the LAL method.
<b>Source:</b>	HEK293
<b>Accession:</b>	Q9Y275-1
<b>Predicted molecular mass:</b>	The protein has a predicted MW of 74.9 kDa same as Tris-Bis PAGE result.
<b>Formulation:</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution:</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage:</b>	-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.

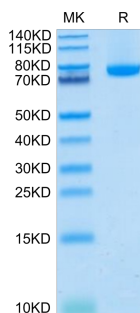
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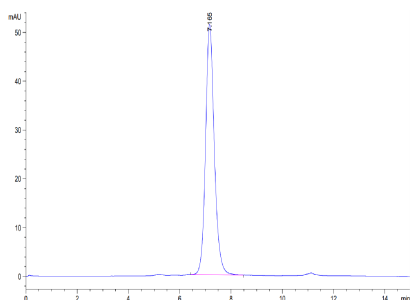
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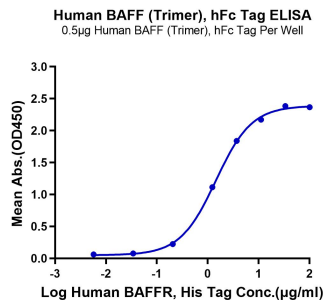
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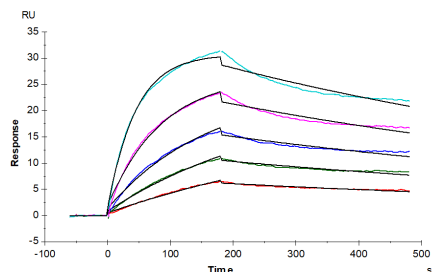
**Fig1:** Human BAFF (Trimer) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



**Fig2:** The purity of Human BAFF (Trimer) is greater than 94% as determined by SEC-HPLC.



**Fig3:** Immobilized Human BAFF (Trimer) , hFc Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human BAFFR, His Tag with the EC50 of 1.45µg/ml determined by ELISA (QC Test).



**Fig4:** 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).

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**Note:** All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation