

Recombinant Human BAFFR/TNFRSF13C (His Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human BAFFR/TNFRSF13C (His Tag)	93744ES20	20 µg
	93744ES60	100 µg
	93744ES76	500 µg
	93744ES80	1 mg

产品描述

B-cell activating factor (BAFF) is a TNF ligand superfamily member and has been designated TNFSF13B. Produced by macrophages, dendritic cells, and T lymphocytes, BAFF promotes the survival of B cells and is essential for B cell maturation (1-4). 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. The BAFF R extracellular domain lacks the TNF receptor canonical cysteine-rich domain (CRD) and contains only a partial CRD with four cysteine residues. Human and mouse BAFF R share 56% aa sequence identity. BAFF R is highly expressed in spleen, lymph node and resting B cells. It is also expressed at lower levels in activated B cell, in resting CD4+ T cells, in thymus and peripheral blood leukocytes.

产品性质

别名 (Synonyms)	CD268; BAFFR; BR3; TNFRSF13C; BROMIX; CVID4; prolixin
Uniprot No.	Q96RJ3-1
表达区间及表达系统 (Source)	Recombinant Human BAFFR/TNFRSF13C Protein is expressed from HEK293 Cells with His tag at the C-terminal. It contains Ser7-Ala71.
分子量(Molecular Weight)	The protein has a predicted MW of 7.6 kDa. Due to glycosylation, the protein migrates to 13-25 kDa based on Tris-Bis PAGE result.
外观(Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE
活性 (Activity)	<p>1.ELISA Data: Immobilized Human BAFFR, His Tag at 0.5µg/ml (100µl/Well). Dose response curve for Human BAFFR Antibody, hFc Tag with the EC₅₀ of 6.0ng/ml determined by ELISA.</p> <p>2.ELISA Data: 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 2.3µg/ml determined by ELISA.</p> <p>3.SPR Data: 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).</p>
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.

复溶 (Reconstitution)	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{mL}$ is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
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运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

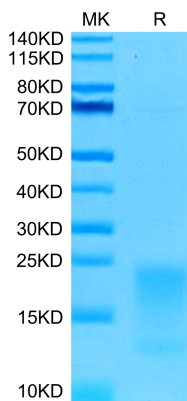
建议第一次使用时分装冻存，避免反复冻融。

注意事项

1. 避免反复冻融。
2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

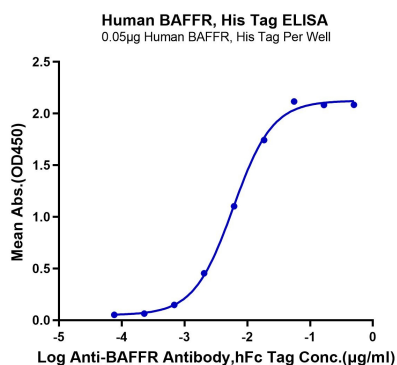
产品数据

Tris-Bis PAGE



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

ELISA Data

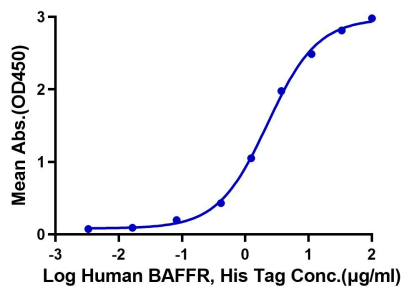


Immobilized Human BAFFR, His Tag at 0.5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{Well}$). Dose response curve for Human BAFFR Antibody, hFc Tag with the EC_{50} of 6.0 ng/ml determined by ELISA.

ELISA Data

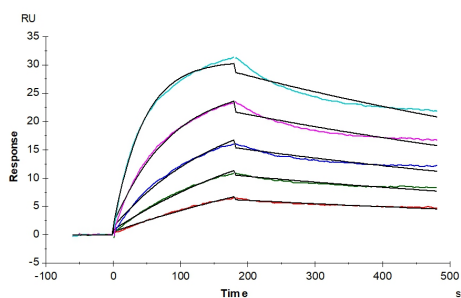
Human BAFFR, His Tag ELISA

0.5 μ g Human BAFF(Trimer), hFc Tag Per Well



Immobilized Human BAFF (Trimer) , hFc Tag at 5 μ g/ml (100 μ l/Well) on the plate.
Dose response curve for Human BAFFR, His Tag with the EC₅₀ of 2.3 μ g/ml determined by ELISA.

SPR Data



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)