Recombinant Human TNFSF13B/BAFF/CD257 Protein

Catalog No.: RP00018

Sequence Information

Species	Gene ID
Human	10673
Swiss Prot	**Tags**
Q9Y275	No tag

Synonyms

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

Product Information

Source	Purification
E. coli	≥ 90 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
17.04 kDa	20 kDa

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 μm filtered solution of 50mM Tris, 150mM NaCl, pH 8.0.Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The protein 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/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells.

Basic Information

Description

Recombinant Human TNFSF13B/BAFF/CD257 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala134-Leu285) of human TNFSF13B (Accession #NP_006564.1).

Activity

1.Measured by its binding ability in a functional ELISA. Immobilized recombinant human BAFF at 5 μg/mL (100 μL/well) can bind recombinant human BCMA with a linear range of 3-20 ng/mL.
2.Measured in a cell proliferation assay using anti-IgM stimulated mouse B cells. The ED_{50} for this effect is 0.1-1 ng/mL, corresponding to a specific activity of 1×10^{6}-1×10^{7}units/mg.
3.Loaded Human TNFRSF17/BCMA/CD269 Protein, C-hFc&His (Catalog: RP00155) on ProA Biosensor, can bind Human TNFSF13B/BAFF/CD257 Protein, no Tag (Catalog: RP00018) with an affinity constant of 3.05nM as determined in BLI assay (Gator).

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20℃

Operational Notes

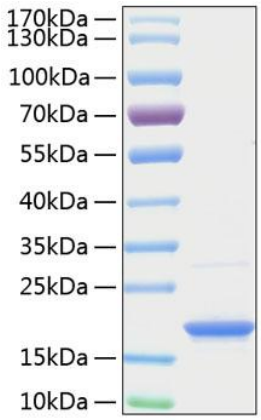
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

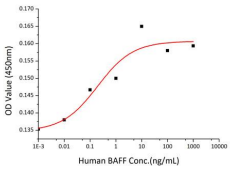
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

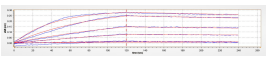
Validation Data



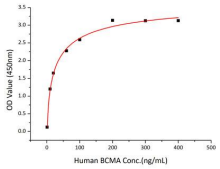
Recombinant Human TNFSF13B/BAFF/CD257 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human BAFF induces mouse B cell proliferation. The ED_{50} for this effect is 0.1-1 ng/mL, corresponding to a specific activity of 1×10^{6}-1×10^{7}units/mg.



Loaded Human TNFRSF17/BCMA/CD269 Protein, C-hFc&His (Catalog: RP00155) on ProA Biosensor, can bind Human TNFSF13B/BAFF/CD257 Protein, no Tag (Catalog: RP00018) with an affinity constant of 3.05nM as determined in BLI assay (Gator).



Immobilized recombinant human BAFF at 5 μg/mL (100 μL/well) can bind recombinant human BCMA with a linear range of 3-20 ng/mL.