Datasheet for ABIN7273913
BAFF Protein (Trimer) (hFc-DYKDDDDK Tag)

Overview

Quantity: 100 μg
Target: BAFF (TNFSF13B)
Protein Characteristics: Trimer
Origin: Human
Source: HEK-293 Cells
Protein Type: Recombinant
Purification tag / Conjugate: This BAFF protein is labelled with hFc-DYKDDDDK Tag.

Product Details

Purpose: Human BAFF/TNFSF13B/CD257 Trimer Protein
Sequence: Thr141-Leu285
Characteristics: 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.
Purity: > 95 % as determined by Tris-Bis PAGE, > 94 % as determined by HPLC
Sterility: 0.22 μm filtered
Endotoxin Level: Less than 1EU per μg by the LAL method.
Biological Activity Comment: 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. The affinity constant of 1.21 nM as determined in SPR assay (Biacore T200). See testing image for detail.
Target Details

Target: BAFF (TNFSF13B)

Alternative Name: BAFF (TNFSF13B Products)

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.

Molecular Weight: 74.9 kDa same as Tris-Bis PAGE result.

Pathways: NF-kappaB Signaling, Production of Molecular Mediator of Immune Response

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: -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.

Expiry Date: 12 months
**ELISA**

**Image 1.** Immobilized Human BAFF (Trimer), hFc Tag at 5 μg/mL (100 μL/Well) on the plate. Dose response curve for Human BAFFR, His Tag with the EC50 of 2.3 μg/mL determined by ELISA.

**SDS-PAGE**

**Image 2.** Human BAFF (Trimer) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

**Size-exclusion chromatography-High Pressure Liquid Chromatography**

**Image 3.** The purity of Human BAFF (Trimer) is greater than 94% as determined by SEC-HPLC.

Please check the product details page for more images. Overall 4 images are available for ABIN7273913.