PRODUCT INFORMATION

Expression system HEK293

Domain 1-78aa

UniProt No. Q96RJ3

NCBI Accession No. NP_443177.1

Alternative Names

Tumor necrosis factor receptor superfamily member 13C, B-cell-activating factor receptor, BAFF receptor, BAFF-R, BLyS receptor 3, BROMIX, CD268, CVID4, prolixin, TNFRSF13C, Br3

PRODUCT SPECIFICATION

Molecular Weight

34.4kDa (314aa)

Concentration

1mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity > 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Biological Activity

Measured by its binding ability in a functional ELISA with Human BAFF (CAT# ATGP4139). The ED50 range \leq 0.7 ug/ml.

Tag

hlgG-Tag

Application

SDS-PAGE, Bioactivity

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.



BACKGROUND

Description

BAFFR, also known as TNFRSF13C, is a member of the tumor necrosis factor receptor superfamily. Members of the TNF receptor superfamily (TNFRSF) have crucial roles in both innate and adaptive immunity and in cellular apoptosis process. Whereas TACI and BCMA bind BAFF and another TNF superfamily ligand, APRIL, BAFFR selectively binds BAFF. The BAFFR extracellular domain lacks the CRD (TNF receptor canonical cysteine-rich domain and contains only a partial CRD with four cysteine residues. It is highly expressed in spleen, lymph node and resting B cells and is thought the principal receptor required for BAFF-mediated mature B-cell survival. It has been proposed that abnormally high levels of BAFFR may contribute to the pathogenesis of autoimmune diseases by enhancing the survival of autoreactive B cells. Recombinant human BAFFR, fused to hlgG-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.

Amino acid Sequence

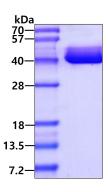
<DGS>MRRGPRS LRGRDAPAPT PCVPAECFDL LVRHCVACGL LRTPRPKPAG ASSPAPRTAL QPQESVGAGA GEAALPLPGL L<LEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDSDGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGK>

General References

Losi CG, et al. (2005) J Clin Immunol. 25:496-502. Rolink, A.G, et al. (2002) Curr. Opin. Immunol. 14:266-275.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

Biological Activity

NKMAXBio we support you, we believe in your research Recombinant human BAFF R/TNFRSF13C protein Catalog Number: ATGP4131

Human BAFFR (ug/ml)

Human BAFF (CAT# ATGP4139) is coated at 5 ug/ml (100 ul/well) can bind Human BAFFR. The ED50 range \leq 0.7 ug/ml.

