



B-Cell Maturation Antigen, His tag, human recombinant (rHuTNFRS17-His)

Catalog No: 97632
Lot No: XXXXX
Source: *E. coli*
Synonyms: BCMA, CD269, Tumor Necrosis Factor Receptor Superfamily Member 17, BCM, TNFRSF17, B-cell maturation protein, CD269 antigen

Background

TNFRSF17 is a receptor for tnfsf13b/blys/baff and tnfsf13/april. TNFRSF17 promotes b-cell survival and plays a role in the regulation of humoral immunity. TNFRSF17 activates nf-kappa-b and jnk. TNFRSF17 is a member of the TNF-receptor superfamily. TNFRSF17 is expressed in mature B lymphocytes, and is involved in B cell development and autoimmune response. TNFRSF17 specifically binds to the tumor TNFSF13B/TALL-1/BAFF, which causes NF-kappaB and MAPK8/JNK activation. TNFRSF17 binds to a variety of TRAF family members, and therefore transduces signals for cell survival and proliferation. TNFRSF17 is a type III membrane protein having 1 extracellular cysteine rich domain. Within the TNFRSF, it shares the highest homology with TACI. BCMA and TACI have both been shown to bind to APRIL and BAFF, members of the TNF ligand superfamily. BCMA expression has been found in immune organs. TNFRSF17 appears to be localized to the Golgi compartment. The binding of BCMA to APRIL or BAFF has been shown to stimulate IgM production in peripheral blood B cells and increase the survival of cultured B cells.

Description

TNFRSF17 Human Recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 130 amino acids (78-184 a.a) and having a molecular mass of 14.1 kDa. TNFRSF17 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless liquid.

Formulation

TNFRSF17 protein solution (0.5 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 0.15 M NaCl, 10% glycerol and 1 mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHHH SSSLVPRGSH MGRKINSEP LKDEFKNTGS GLLGMANIDL EKSRTGDEII LPRGLEVTVE ECTCEDCIKS
KPKVDSHDCF PLPAMEEGAT ILVTTKTNDY CKSLPAALSA TEIEKSISAR

Usage

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