
Product Data Sheet

Product Name: TNFRSF17 Human, His

Cat. No.: GP21014

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BCMA; CD269; Tumor Necrosis Factor Receptor Superfamily Member 17; BCM; TNFRSF17; B-cell maturation protein; CD269 antigen.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSRKINSEP LKDEFKNTGS GLLGMANIDL EKSRTGDEII LPRGLETYVE ECTCEDCIKS KPKVDSDHCF PLPAMEEGAT ILVTTKTNDY CKSLPAALSA TEIEKSISAR.		
Formulation	TNFRSF17 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

Background

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 14.1kDa. TNFRSF17 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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