

BCMA/TNFRSF17 Protein, Human (His & hFc), FITC conjugated

General Information

Synonyms:	tumor necrosis factor receptor superfamily member 17;BCMA;TNFRSF13A;CD269;BCM
Protein Construction:	Recombinant human BCMA/TNFRSF17 (NP_001183.2, extracellular domain, Met 1-Ala 54) are conjugated with FITC under optimum conditions, the unreacted FITC was removed.
Species:	Human
Expression Host:	HEK293 Cells
Accession:	NP_001183.2

QC Testing

Biological Activity:	Tested by Flow cytometric analysis of anti-BCMA CAR expression.
Formulation:	Aqueous solution containing 0.5% BSA and 0.03% Proclin 300

Preparation and Storage

Stability & Storage:

This reagent is stable for 6 months when stored at 2°C-8°C. Protected from prolonged exposure to light. Do not freeze!

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Tumor necrosis factor receptor superfamily, member 17 (TNFRSF17), also known as B cell maturation antigen (BCMA) or CD269 antigen, is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes, and may be important for B cell development and autoimmune response. This receptor has been shown to specifically bind to the tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13BBAFF), and to lead to NF-kappaB and MAPK8/JNK activation. TNFRSF17/BCMA/CD269 also binds to various TRAF family members, and thus may transduce signals for cell survival and proliferation. TNFRSF17/BCMA/CD269 is a receptor for TALL-1 and BCMA activates NF-kappaB through a TRAF5-, TRAF6-, NIK-, and IKK-dependent pathway. The identification of TNFRSF17 as a NF-kappaB-activating receptor for TALL-1 suggests molecular targets for drug development against certain immunodeficient or autoimmune diseases. TNFRSF17/BCMA is a target of donor B-cell immunity in patients with myeloma who respond to DLI. Antibody responses to cell-surface BCMA may contribute directly to tumor rejection in vivo.

Reference

Novak AJ, et al. (2004) Expression of BCMA, TACI, and BAFF-R in multiple myeloma: a mechanism for growth and survival. *Blood*. 103 (2): 689-94.

O'Connor BP, et al. (2004) BCMA is essential for the survival of long-lived bone marrow plasma cells. *J Exp Med*. 199 (1): 91-8.

Moser K, et al. (2006) Stromal niches, plasma cell differentiation and survival. *Curr Opin Immunol*. 18(3): 265-70.

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