

BCMA Active Protein | TNFRSF17 active protein

BCMA Protein, Human, Recombinant (ECD, His Tag)

CATALOG #
AAA257903

HOST
HEK293 Cells

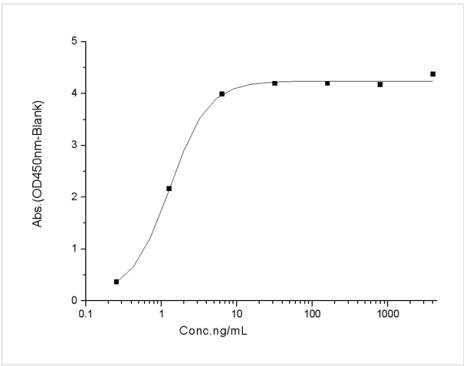
PRODUCT SYNONYMS

BCMA; BCMA Protein; Human; Recombinant (ECD; His Tag); Human TNFRSF17/BCMA (CD269) Protein (ECD; BCM Protein; CD269 Protein; TNFRSF13A Protein; tumor necrosis factor receptor superfamily member 17; TNFRSF17 active protein

PRODUCT SPECIFICATIONS

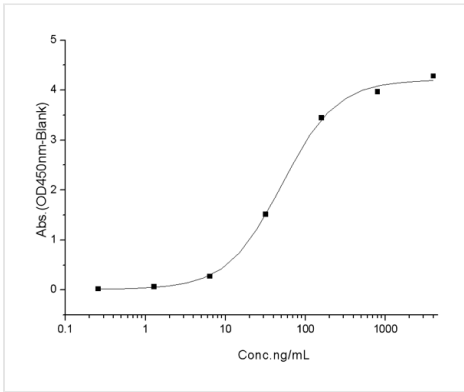
Host	HEK293 Cells
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Ala54
Species	Human
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	Met 1
Tag	C-His
Protein Construction	A DNA sequence encoding the human TNFRSF17 (NP_001183.2)(Met1-Ala54) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Activity	1. Measured by its binding ability in a functional ELISA. Immobilized Human BAFF at 2ug/mL (100uL/well) can bind Human BCMA. The EC50 of Human BCMA is 30-80ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized Mouse TNFSF13 at 2ug/mL (100uL/well) can bind Human BCMA. The EC50 of Human BCMA is 0.6-2.1ng/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.

IMAGES



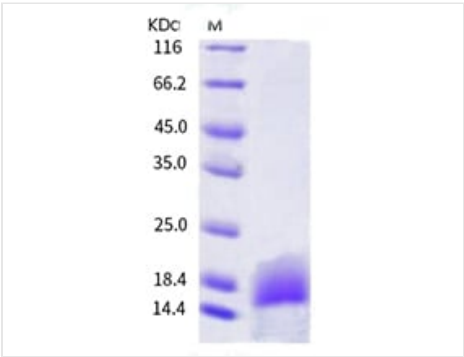
Application Data

Measured by its binding ability in a functional ELISA. Immobilized Mouse TNFSF13 at 2 ug/mL (100 ul/well) can bind Human BCMA, The EC50 of Human BCMA is 0.6-2.1 ng/mL.



Application Data

Measured by its binding ability in a functional ELISA. Immobilized Human BAFF at 2 ug/mL (100 ul/well) can bind Human BCMA, The EC50 of Human BCMA is 30-80 ng/mL.



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TNFRSF17 active 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.
References	Novak AJ, et al. (2004) Expression of BCMA, TACI, and BAFF-R in multiple myeloma: a mechanism for growth and survival. <i>Blood</i>. 103 (2): 689-94.O'Connor BP, et al. (2004) BCMA is essential for the survival of long-lived bone marrow plasma cells. <i>J Exp Med</i>. 199(1): 91-8.Moser K, et al. (2006) Stromal niches, plasma cell differentiation and survival. <i>Curr Opin Immunol</i>. 18(3): 265-70.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23238192
NCBI GeneID	608
NCBI Accession #	NP_001183.2
NCBI GenBank Nucleotide #	NM_001192.2
UniProt Accession #	Q02223; Q2TQ40

Molecular Weight	14,843 Da
NCBI Official Full Name	tumor necrosis factor receptor superfamily member 17
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 17
NCBI Official Symbol	TNFRSF17
NCBI Official Synonym Symbols	BCM; BCMA; CD269; TNFRSF13A
NCBI Protein Information	tumor necrosis factor receptor superfamily member 17; B cell maturation antigen; B-cell maturation factor; B-cell maturation protein
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 17
UniProt Gene Name	TNFRSF17
UniProt Synonym Gene Names	BCM; BCMA
UniProt Entry Name	TNR17_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-tnfrsf17-active-protein/bcma/257903>