

BCMA/TNFRSF17 Protein, Human, Recombinant (His & Avi), Biotinylated

General Information

Synonyms:	BCMA;BCM;CD269;TNFRSF17;TNFRSF13A
Protein Construction:	Met1-Ala54
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q02223-1
Molecular Weight:	8.9 kDa (predicted). Due to glycosylation, the protein migrates to 12 kDa and 15-17 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Immobilized Anti-BCMA Antibody, hFc Tag at 0.2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human BCMA, His Tag with the EC50 of 4.0ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

B-cell maturation antigen (BCMA or BCM), also known as tumor necrosis factor receptor superfamily member 17 (TNFRSF17), is a protein that in humans is encoded by the TNFRSF17 gene. TNFRSF17 is a cell surface receptor of the TNF receptor superfamily which recognizes B-cell activating factor (BAFF).

Reference

Bossen C , Schneider P. BAFF, APRIL and their receptors: Structure, function and signaling[J]. Seminars in Immunology, 2006, 18(5):0-275.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481