

Human BCMA/TNFRSF17 Trimer Protein

Cat. No. BCM-HM417

Description

Source	Recombinant Human BCMA/TNFRSF17 Trimer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Met1-Ala54.
Accession	Q02223
Molecular Weight	The protein has a predicted MW of 29.5 kDa. Due to glycosylation, the protein migrates to 30-48 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

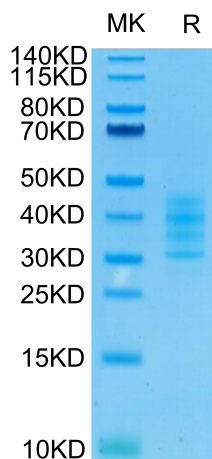
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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).

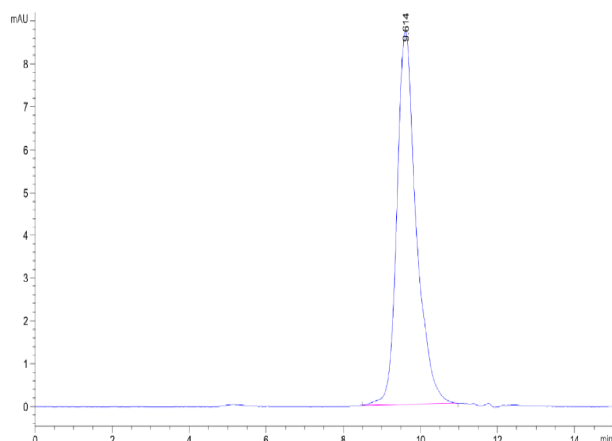
Assay Data

Tris-Bis PAGE



Human BCMA Trimer on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



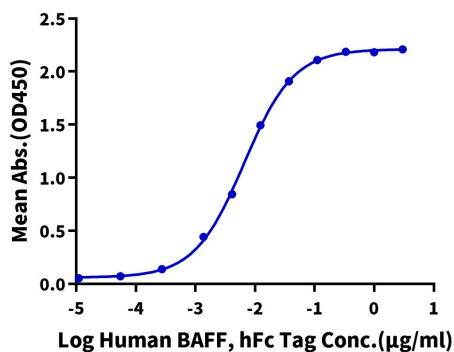
The purity of Human BCMA Trimer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human BCMA Trimer, His Tag ELISA

0.05µg Human BCMA Trimer, His Tag Per Well

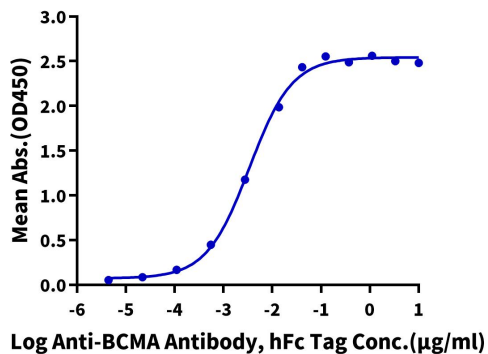


Immobilized Human BCMA Trimer at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Human BAFF, hFc Tag with the EC50 of 6.6ng/ml determined by ELISA (QC Test).

ELISA Data

Human BCMA Trimer, His Tag ELISA

0.05µg Human BCMA Trimer, His Tag Per Well



Immobilized Human BCMA Trimer at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-BCMA Antibody, hFc Tag with the EC50 of 3.4ng/ml determined by ELISA.