

Non-biotinylated Human BCMA/TNFRSF17 Protein

Cat. No. BCM-HM117



Description

Source	Recombinant Human BCMA/TNFRSF17 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Met1-Ala54.
Accession	Q02223-1
Molecular Weight	The protein has a predicted MW of 8.9 kDa. Due to glycosylation, the protein migrates to 15-25 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

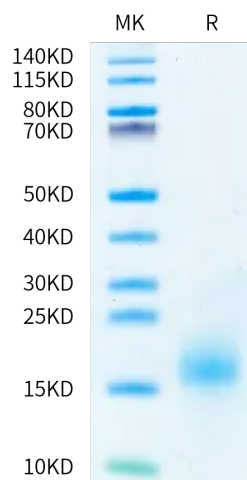
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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).

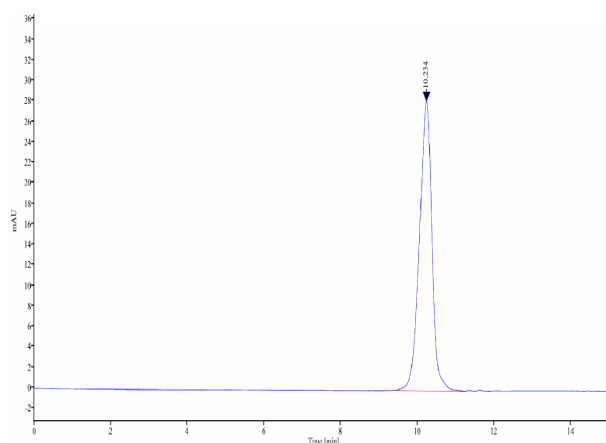
Assay Data

Bis-Tris PAGE



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

SEC-HPLC

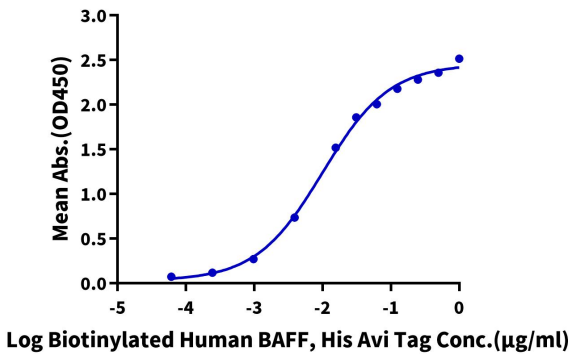


The purity of Human BCMA is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

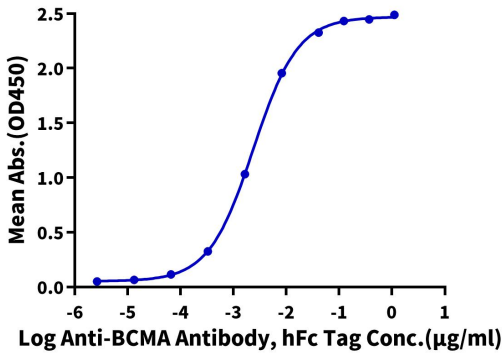
Human BCMA, His Tag ELISA
0.1µg Human BCMA, His Tag Per Well



Immobilized Human BCMA, His Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Human BAFF, His Tag with the EC50 of 10.1 ng/ml determined by ELISA (QC Test).

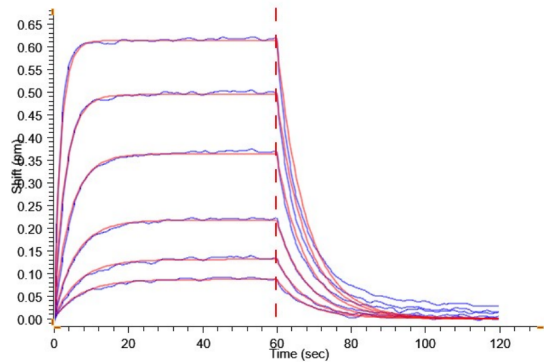
ELISA Data

Human BCMA, His Tag ELISA
0.05µg Human BCMA, His Tag Per Well



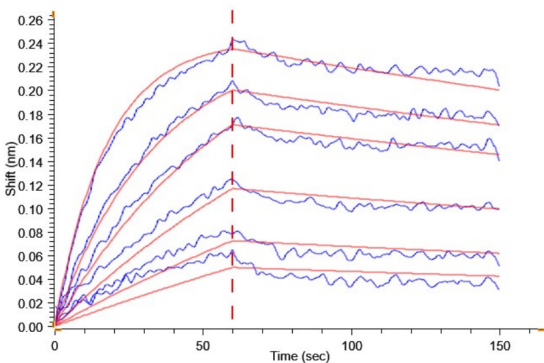
Immobilized Human BCMA, His Tag at 0.5 µg/ml (100 µl/Well) on the plate. Dose response curve for Anti-BCMA Antibody, hFc Tag with the EC50 of 2.4 ng/ml determined by ELISA.

BLI Data



Loaded Biotinylated Human BAFF, His-Avi Tag on Streptavidin-Biosensor can bind Human BCMA, His Tag with an affinity constant of 0.65 µM as determined in BLI assay (Gator® Prime).

BLI Data



Loaded Anti-BCMA Antibody on ProA-Biosensor can bind Human BCMA, His Tag with an affinity constant of 16.10 nM as determined in BLI assay (Gator® Prime).