

# Biotinylated Human BCMA/TNFRSF17 Protein

Cat. No. BCM-HM117B

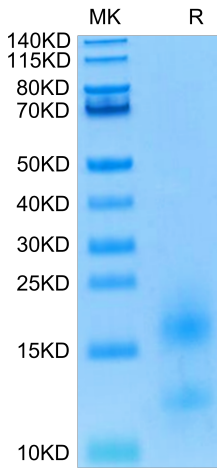
Description	
Source	Recombinant Biotinylated Human BCMA/TNFRSF17 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Met1-Ala54.
Accession	Q02223-1
Molecular Weight	The protein has a predicted MW of 8.9 kDa. Due to glycosylation, the protein migrates to 12 kDa and 15-17 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

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 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

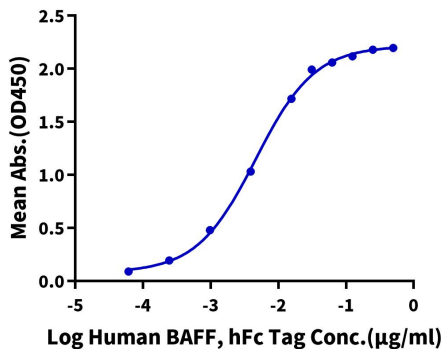


Biotinylated Human BCMA on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### ELISA Data

#### Biotinylated Human BCMA, His Tag ELISA

0.05µg Biotinylated Human BCMA, His Tag Per Well



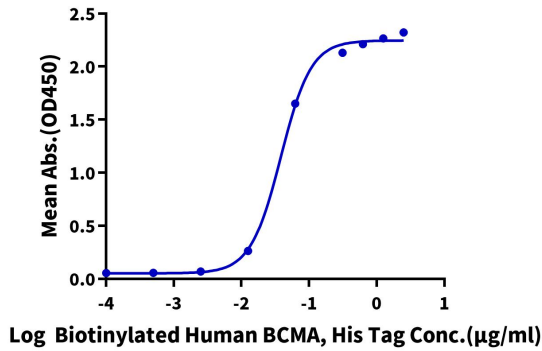
Immobilized Biotinylated Human BCMA, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human BAFF, hFc Tag with the EC50 of 4.6ng/ml determined by ELISA (QC Test).

Assay Data

ELISA Data

**Biotinylated Human BCMA, His Tag ELISA**

0.1µg Human APRIL (Trimer), His Tag Per Well

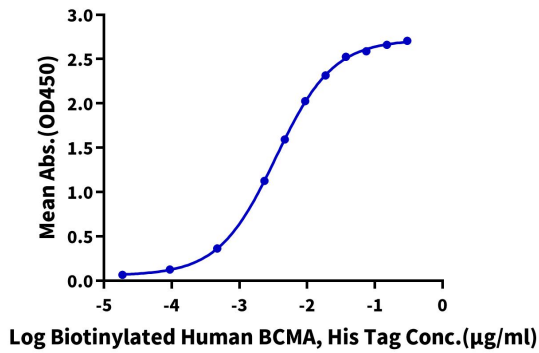


Immobilized Human APRIL (Trimer), His Tag at 1µg/ml(100µl/well) on the plate. Dose response curve for Biotinylated Human BCMA, His Tag with the EC50 of 38.2ng/ml determined by ELISA.

ELISA Data

**Biotinylated Human BCMA, His Tag ELISA**

0.02µg Anti-BCMA Antibody, hFc Tag Per Well



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 3.4ng/ml determined by ELISA.