

# Human BCMA/TNFRSF17 Trimer Protein

Cat. No. BCM-HM417

## Description

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

## Formulation and Storage

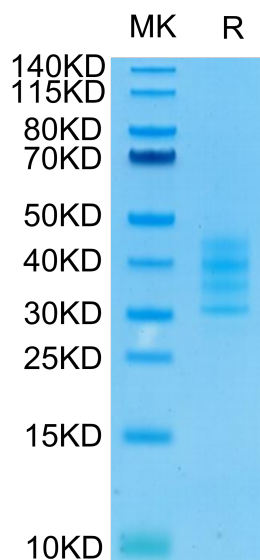
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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

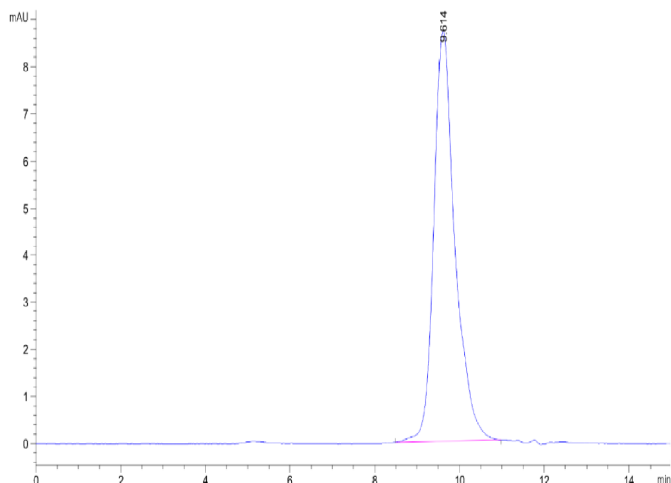
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data

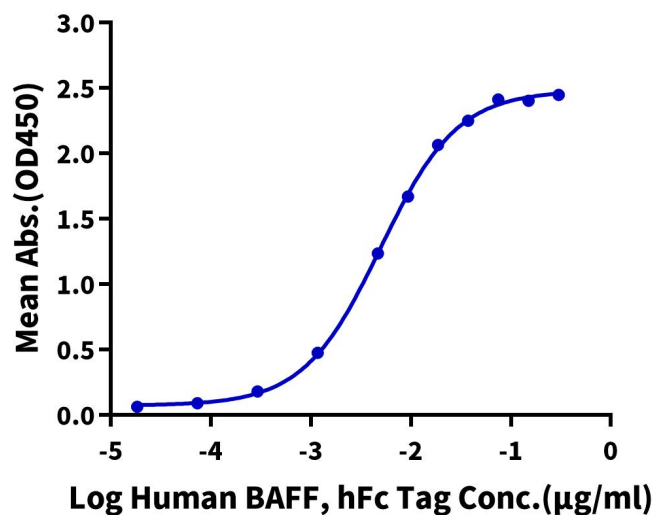


The purity of Human BCMA Trimer is greater than 95% as determined by SEC-HPLC.

ELISA Data

**Human BCMA Trimer, His Tag ELISA**

0.1µg Human BCMA Trimer, His Tag Per Well

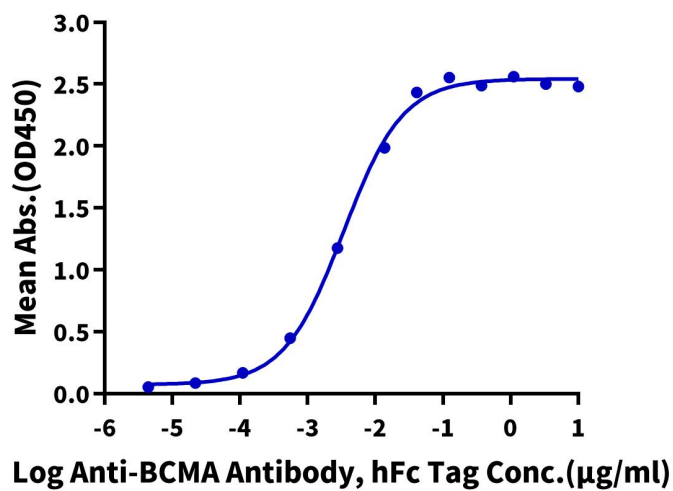


Immobilized Human BCMA Trimer, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human BAFF, hFc Tag with the EC50 of 5.0ng/ml determined by ELISA (QC Test).

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.