# FITC-Compatible Human BCMA/TNFRSF17 Protein

**KACTUS**

Cat. No.      BCM-HM117C

## Description

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| **Source** | Recombinant FITC-Compatible Human BCMA/TNFRSF17 Protein is expressed from HEK293 with His tag at the C-Terminus. |
| | It contains Met1-Ala54. |
| **Accession** | Q02223-1 |
| **Molecular Weight** | The protein has a predicted MW of 35.9 kDa. Due to glycosylation, the protein migrates to 37-48 kDa based on Bis-Tris PAGE result. |
| **Wavelength** | Excitation Wavelength: 490 nm |
| | Emission Wavelength: 520 nm |
| **Endotoxin** | Less than 1EU per µg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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| **Formulation** | Lyophilized from 0.22 µm 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).
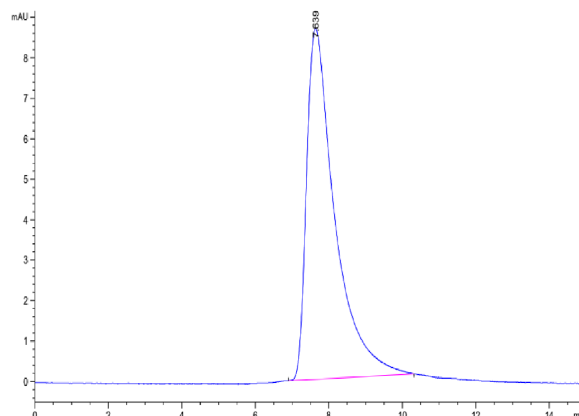
## Assay Data

### Bis-Tris PAGE
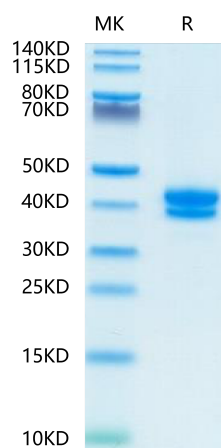


FITC-Compatible Human BCMA on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



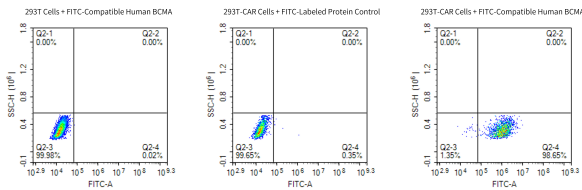The purity of FITC-Compatible Human BCMA is greater than 95% as determined by SEC-HPLC.

## Assay Data

### FACS Data



Use 100 µl FITC-Compatible Human BCMA (1 µg/ml) to detect the positive rate of $1\times10^6$ anti-BCMA CAR cells. Non-transfected 293T cells and FITC-Labeled irrelevant protein (100 µl, 1 µg/ml) were served as negative control.