

# **Biotinylated Recombinant Mouse** TNFRSF17/BCMA/CD269 Protein

Catalog No.: RP02761B Recombinant

# **Sequence Information**

**Species Gene ID Swiss Prot** Mouse 21935 088472-1

**Tags** C-His&Avi

**Synonyms** 

CD269; TNFRSF17; BCMA; BCM; TNFRSF13A

## **Product Information**

Source Purification

HEK293 cells  $\geq$  95 % as

determined by Tris-Bis PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

8.5 kDa 12-16 kDa

#### **Endotoxin**

< 1 EU/ $\mu g$  of the protein by LAL method.

## **Formulation**

Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

## Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## **Contact**

**a** 400-999-6126

## **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).

#### **Basic Information**

## **Description**

Biotinylated Recombinant Mouse TNFRSF17/BCMA/CD269 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Met1-Thr49) of Mouse TNFRSF17(Accession #O88472-1) fused with His tag and Avi tag at the C-terminus.

## **Bio-Activity**

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

## Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

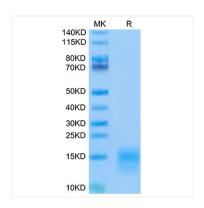
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

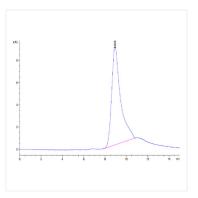
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

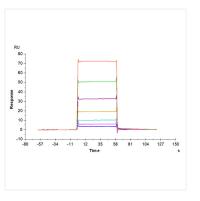
# **Validation Data**



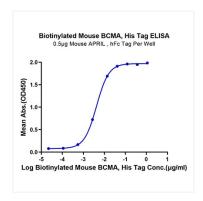
Biotinylated Recombinant Mouse TNFRSF17/BCMA/CD269 Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Human BAFF, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Mouse BCMA, His-Avi Tag with an affinity constant of 5.64  $\mu$ M as determined in SPR assay (Biacore T200).



Immobilized Mouse APRIL, hFc Tag at  $5\mu$ g/ml (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Mouse BCMA, His Tag with the EC<sub>50</sub> of 4.3ng/ml determined by ELISA.