

For Research Use Only

# Recombinant Mouse CD268/BAFF-R protein (rFc Tag)



Catalog Number: Eg1840

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Mouse CD268 protein Ser10-Ala71 (Accession# Q9D8D0-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

72049

**Accession:**

Q9D8D0-1

**Predicted Molecular Mass:**

33.0 kDa

**SDS-PAGE:**

37-50 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

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

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

B-cell-activating factor receptor (BAFF-R, also known as CD268 and TNFRSF13C) is a member of the tumor necrosis factor receptor (TNFR) superfamily. It is expressed in most malignant B cells, including those in primary central nervous system lymphoma (PCNSL), and is involved in the survival and proliferation of these cells. The interaction of BAFF with BAFF-R promotes NF- $\kappa$ B activation, which plays a crucial role in B-cell maturation, survival, and costimulation of T-cell activation and proliferation. Additionally, BAFF-R is associated with chronic kidney disease (CKD) by activating NF- $\kappa$ B signaling in renal tubular epithelial cells.

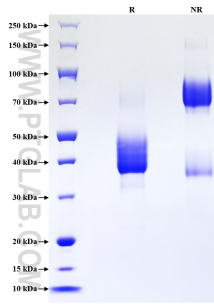
## References

1. Zhou, Xiaolan et al. *Frontiers in oncology* vol. 10 682. 27 May (2020).
2. Smulski, Cristian R, and Hermann Eibel. *Frontiers in immunology* vol. 9 2285. 8 Oct (2018).
3. Möckel, Tamara et al. *International journal of molecular sciences* vol. 25,10 5415. 16 May (2024).

## Synonyms

BAFF receptor, Baffr, BAFF-R, B-cell maturation defect, B-cell-activating factor receptor

## Selected Validation Data



Purity of Recombinant Mouse CD268 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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