For Research Use Only

Recombinant Human TNFRSF17 protein (rFc Tag)

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Catalog Number: Eg1812

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/μg protein, LAL method

Source:
HEK293-derived Human TNFRSF17 protein Met1-Ala54 (Accession# Q02223) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
608

Accession:
Q02223

Predicted Molecular Mass:
32.2 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile 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

BCMA (B cell maturation antigen), also known as TNFRSF17, is 20.2-kDa type III transmembrane glycoprotein and is a member of the TNF-receptor superfamily. This receptor is preferentially expressed in mature B lymphocytes and plasma cells, which may be important for B cell development and autoimmune response. BCMA has two agonist ligands: a proliferation-inducing ligand (APRIL) and BAFF. When BCMA binds to APRIL, it transmits signals of cell survival and proliferation; when BCMA binds to BAFF, it mediates the activation of NF-kappaB and MAPK8/JNK. It has been found that the overexpression and activation of BCMA are associated with multiple myeloma (MM) in preclinical models and humans, supporting its potential utility as a therapeutic target for MM.

References

1. Bo Yu et al (2020). J Hematol Oncol. Sep 17;13(1):125.
2. C Madry et al (1998). Int Immunol. Nov;10(11):1693-702.
3. Yu-Tzu Tai et al (2016). Blood. Jun 23;127(25):3225-36.
4. Fabrice Jardin (2022). Biomedicines. Sep 1;10(9):2153.
5. Nina Shah et al (2020). Leukemia. Apr;34(4):985-1005.

Synonyms

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data