

For Research Use Only

Recombinant Mouse APRIL/TNFSF13 protein (rFc Tag)



Catalog Number: Eg1561

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Mouse APRIL protein Ala96-Leu241 (Accession# Q9D777) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

69583

Accession:

Q9D777

Predicted Molecular Mass:

43.5 kDa

SDS-PAGE:

45-55 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm 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

TNFSF13 (also known as APRIL) is a proliferation-inducing ligand of the tumor necrosis factor (TNF) superfamily. TNFSF13 was found to be involved in immunosuppression via diverse immunoregulation pathways and was associated with other immune checkpoints and inflammation. An abundant expression of TNFSF13 in neoplastic cells and M2 macrophages, which TNFSF13 might potentially regulate the cell communication via IL-8, C3, and CD44. TNFSF13 was proved to interact with two receptors: B cell maturation antigen (BCMA), which germanely combined with TNFSF13 to induce tumor cell invasion and immunosuppression.

References

- 1.Chen R, et al. (2021) Front Immunol. 12:713757.
- 2.Carpenter RO, et al. (2013) Clin Cancer Res. 19(8):2048-60.
- 3.Tai YT, et al. (2016) Blood. 127(25):3225-36.

Synonyms

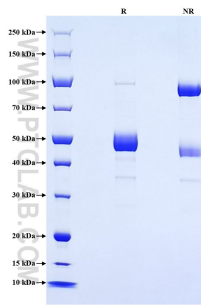
A proliferation-inducing ligand, APRIL, CD256, Tnfsf13, Tumor necrosis factor ligand superfamily member 13

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

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Selected Validation Data



Purity of Recombinant Mouse APRIL 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.