

For Research Use Only

Recombinant Mouse TREML2 protein (rFc Tag)



Catalog Number: Eg7510

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Mouse TREML2 protein His25-Ala270 (Accession# Q2LA85) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
328833

Accession:
Q2LA85

Predicted Molecular Mass:
53.1 kDa

SDS-PAGE:
80-100 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ 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

Triggering receptor expressed on myeloid cells-like protein 2 (TREML2) is a cell-surface receptor participating in innate and adaptive immune responses. It functions as a counter-receptor for CD276, and its binding to CD276 on T cells potentiates T-cell activation. Upregulating TREML2 represents a potential novel therapeutic strategy to alleviate doxorubicin resistance in acute myeloid leukemia.

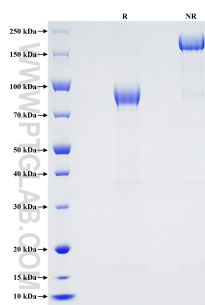
References

1. Allcock, Richard J N et al. European journal of immunology vol. 33,2 (2003): 567-77.
2. Hashiguchi, Masaaki et al. Proceedings of the National Academy of Sciences of the United States of America vol. 122,12 (2025): e00223.
3. Zhang, Xin et al. Blood science (Baltimore, Md.) vol. 7,2 (2025): e00223.

Synonyms

Tlt2, TLT-2, Trem-like transcript 2 protein, Triggering receptor expressed on myeloid cells-like protein 2

Selected Validation Data



Purity of Recombinant Mouse TREML2 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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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