

For Research Use Only

Recombinant Mouse 2B4/CD244/SLAMF4 protein (His Tag)



Catalog Number: Eg1583

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

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Mouse 2B4/CD244/SLAMF4 protein Gln20-Pro226 (Accession# Q07763-1) with a His tag at the C-terminus.

GeneID:
18106

Accession:
Q07763-1

Predicted Molecular Mass:
24.5 kDa

SDS-PAGE:

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

CD244, also known as SLAMF4 or 2B4, is a type I transmembrane glycoprotein belonging to the signaling lymphocyte activation molecule (SLAM) family. It consists of an extracellular segment with two immunoglobulin (Ig)-like domains, a transmembrane region, and a cytoplasmic domain containing tyrosine-based motifs. CD244 is present on natural killer (NK) cells, $\gamma\delta$ T cells, a subset of CD8⁺ T cells, monocytes, basophils, dendritic cells, and myeloid-derived suppressor cells (MDSCs). It binds to CD48 with high affinity and transmits stimulatory or inhibitory signals that regulate immune function.

References

1. Alexander David Barrow. et al. (2019) Front Immunol. 10:909.
2. M H Brown. et al. (1998) J Exp Med. 188(11):2083-90.
3. Laura Agresta. et al. (2018) Front Immunol. 9:2809.
4. M H Brown. et al. (1998) J Exp Med. 188(11):2083-90.

Synonyms

Selected Validation Data

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.