

Recombinant Human CD244 protein (Myc Tag, His Tag)

Catalog Number: Eg32087

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
Myc Tag, His Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Human CD244 protein Cys22-Arg221 (Accession# Q9BZW8-2) with a Myc tag and a His tag at the C-terminus.

GeneID:

51744

Accession:

Q9BZW8-2

Predicted Molecular Mass:

27.9 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

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. Brown, M H et al. The Journal of experimental medicine vol. 188,11 (1998): 2083-90.
2. Agresta, Laura et al. Frontiers in immunology vol. 28,9 (2018) 2809.
3. Chlewicki, Lukasz K et al. Journal of immunology (Baltimore, Md. : 1950) vol. 180,12 (2008): 8159-67.

Synonyms

Selected Validation Data

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

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