

For Research Use Only

Recombinant Mouse CD314/NKG2D protein (rFc Tag)



Catalog Number: Eg3829

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 CD314 protein Phe90-Val232 (Accession# O54709-1) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
27007

Accession:
O54709-1

Predicted Molecular Mass:
43.6 kDa

SDS-PAGE:
45-55 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

Natural killer group 2D (NKG2D) (CD314) is an activating receptor on NK cells, CD8+ T cells, NKT cells and $\gamma \delta$ + T cells. Interleukin (IL)-15-induced up-regulation of NKG2D on intraepithelial cytotoxic T cells (IELs) and NKG2D ligands on enterocytes is a hallmark in CD and is responsible for epithelial cell destruction and subsequent villous atrophy.

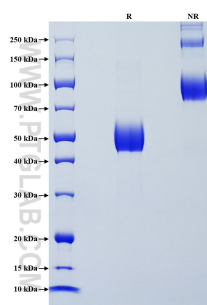
References

1. Guy-Grand D, et al. Eur J Immunol. 1996;26:2248-2256.
2. Abadie V, et al. Semin Immunopathol. 2012;34:551-566.

Synonyms

CD314, CD314/ NKG2D, Klrk1, Killer cell lectin-like receptor subfamily K member 1, NK cell receptor D

Selected Validation Data



Purity of Recombinant Mouse CD314 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

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