

For Research Use Only

Recombinant Mouse CD69 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3835

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ µg protein, LAL method

Source:
HEK293-derived Mouse CD69 protein Asn62-Arg199 (Accession# P37217) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
12515

Accession:
P37217

Predicted Molecular Mass:
43.0 kDa

SDS-PAGE:
48-60 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

CD69 is a C-type lectin whose gene is encoded within the NK cell gene complex on chromosome 6 in mice and chromosome 12 in humans. CD69 promotes immune homeostasis by regulating the differentiation and function of Tregs. On the basis of CD69 expression, Tregs are classified into 2 subtypes: CD69+ and CD69- Tregs. CD69+ Tregs express higher levels of suppression markers such as CTLA-4, ICOS, CD38, and GITR than to CD69- or Cd69-/- Tregs, resulting in enhanced effector T cell suppression and tolerance.

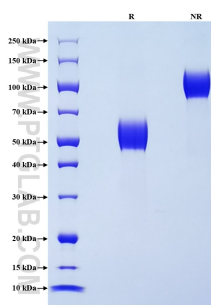
References

1. Cortes JR, et al. J Autoimmun. 2014;55:51-62.
2. Sanchez-Diaz R, et al. Mol Cell Biol. 2017;37(9):e00341.

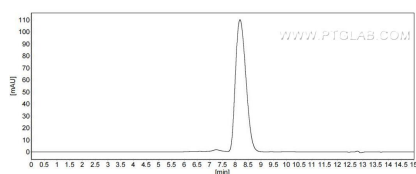
Synonyms

AIM, CD69 antigen, VEA

Selected Validation Data



Purity of Recombinant Mouse CD69 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.



The purity of Mouse CD69 was greater than 90% as determined by SEC-HPLC.

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

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