

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

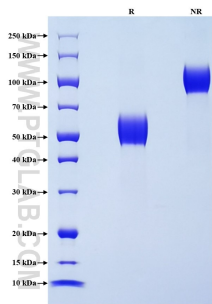
AIM, CD69 antigen, VEA

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

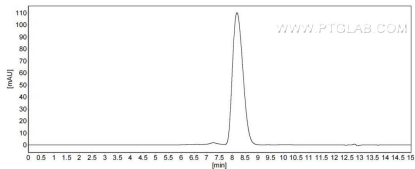
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

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.