

For Research Use Only

Recombinant Mouse LY75/DEC-205 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2649

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 LY75 protein Ser28-Asp1667 (Accession# Q60767) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
17076

Accession:
Q60767

Predicted Molecular Mass:
214.1 kDa

SDS-PAGE:
200-300 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

Ly75 (Lymphocyte Antigen 75), also known as DEC205/CD205, is a type I transmembrane protein belonging to the C-type lectin receptor family. Ly75 is expressed in immune cells and cancers, and participates in tumor immunity through a key role in endocytosis by major histocompatibility complex (MHC) molecules and in antigen presentation to T-cells. Ly75 can regulate EOC cell phenotype and transfer potential. 75 regulates EOC cell phenotype and metastatic potential and has a direct role in regulating Wnt/β-cyclin pathway activity in epithelial ovarian cancer (EOC) cells. (PMID: 32156068)

References

1. Mehdi S, et al. Int J Mol Sci. 2020;21(5):1848.
2. Mehdi S, et al. Int J Mol Sci. 2020;21(14):4992.
3. Gil M, et al. J Clin Med. 2020;9(5):1383.

Synonyms

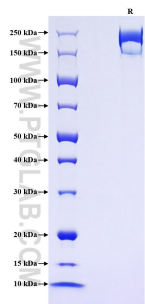
CD205, DEC 205, DEC-205, Ly75, Ly-75

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

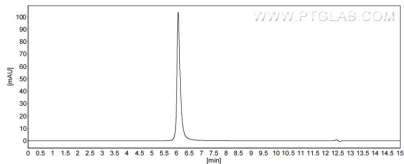
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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 LY75 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.



The purity of Mouse LY75/DEC-205 was greater than 90% as determined by SEC-HPLC.