

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
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)

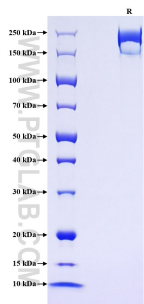
References

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.

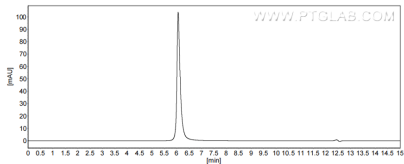
Synonyms

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

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.