

# Recombinant Mouse Ly-75/DEC-205/CD205 Protein

Catalog No.: RP02778 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	17076	Q60767

### Tags

C-His

### Synonyms

CD205; DEC205; DEC-205; Ly75

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by HPLC

**Calculated MW**   **Observed MW**

### Endotoxin

<1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Lymphocyte antigen 75 (Ly75/CD205) is a surface marker on mitotic germ cells in rainbow trout. In mammals, several cell surface molecular markers have been characterized in order to identify the mitotic germ cells. The expression profile of Ly75 protein was similar to that of the mRNA. Furthermore, identification of various fish homologs of Ly75 confirmed that their amino acid sequences are well conserved. Therefore, Ly75 may be appropriate for use as a versatile cell surface marker for mitotic germ cells in fish.

## Basic Information

### Description

Recombinant Mouse Ly-75/DEC-205/CD205 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser28-Asp1667) of mouse DEC-205/CD205 (Accession #NP\_038853.2) fused with His tag at the C-terminus.

### Bio-Activity

### Storage

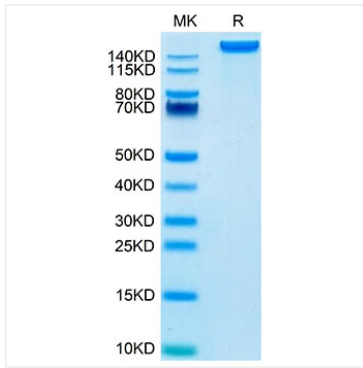
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

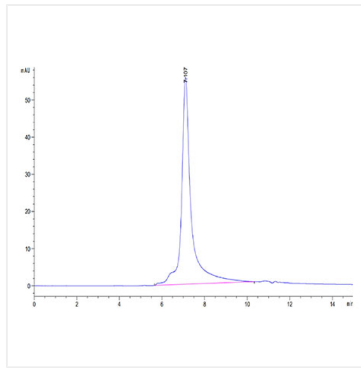
Avoid repeated freeze/thaw cycles.

## Validation Data

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Mouse LY75/CD205 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Mouse LY75/CD205 is greater than 95% as determined by SEC-HPLC.