

Datasheet for ABIN7275221

LY75/DEC-205 Protein (AA 28-1666) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LY75/DEC-205 (LY75)
Protein Characteristics:	AA 28-1666
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LY75/DEC-205 protein is labelled with His tag.

Product Details

Purpose:	Human LY75/CD205 Protein
Sequence:	Ser28-Asp1666
Characteristics:	Recombinant Human LY75/CD205 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser28-Asp1666.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human LY75, His Tag at 0.1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-LY75 Antibody, hFc Tag with the EC50 of 8 ng/ml determined by ELISA. See testing image for detail.

Target Details

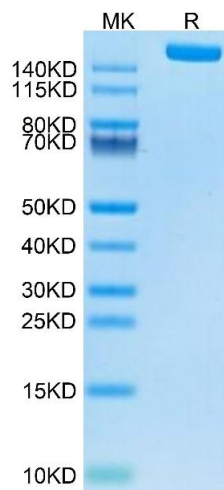
Target:	LY75/DEC-205 (LY75)
Alternative Name:	LY75 (LY75 Products)
Background:	Lymphocyte antigen 75 (Ly75/CD205) is a surface marker on mitotic germ cells in rainbow trout. In mammals, several cell surface molecular markers have been characterized in order to identify the mitotic germ cells. The expression 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.
Molecular Weight:	190.2 kDa. Due to glycosylation, the protein migrates to 230-245 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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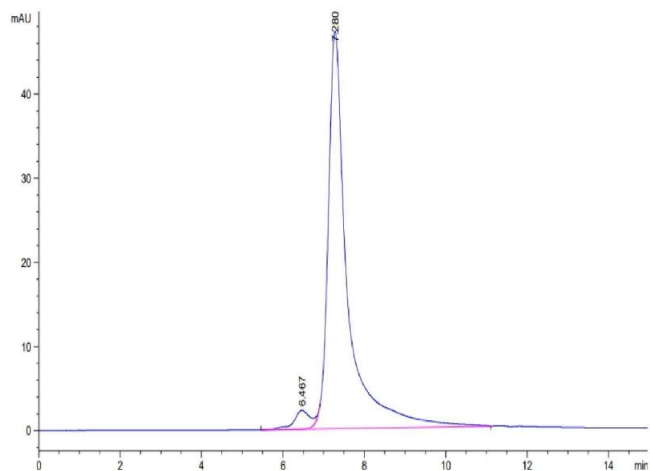
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., -2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

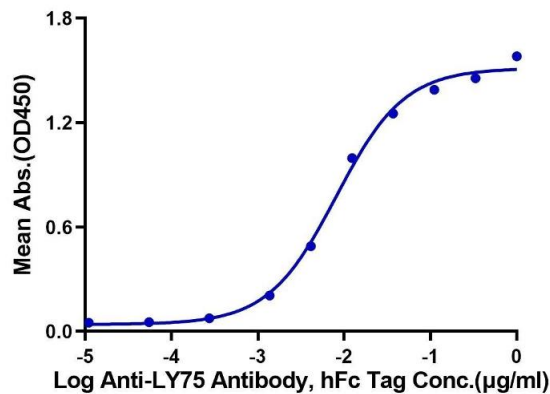
Image 1. Human LY75 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human LY75 is greater than 95 % as determined by SEC-HPLC.

Human LY75, His Tag ELISA
0.01µg Human LY75, His Tag Per Well



ELISA

Image 3. Immobilized Human LY75, His Tag at 0.1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-LY75 Antibody, hFc Tag with the EC50 of 8 ng/mL determined by ELISA.