

Human LY75/CD205 Protein

Cat. No. LY7-HM205



Description

Source	Recombinant Human LY75/CD205 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Ser28-Asp1666.
Accession	O60449-1
Molecular Weight	The protein has a predicted MW of 214.76 kDa. Due to glycosylation, the protein migrates to 220-260 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

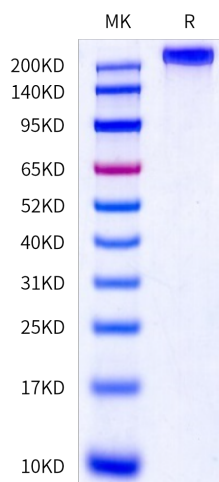
Formulation	Lyophilized from 0.22 µm filtered solution in PBS, 8% trehalose (pH 7.4).
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

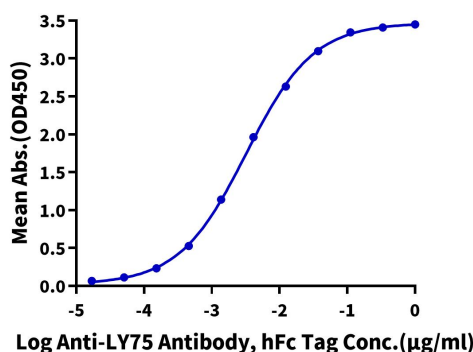
Bis-Tris PAGE



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

ELISA Data

Human LY75, hFc Tag ELISA
0.05µg Human LY75, hFc Tag Per Well



Immobilized Human LY75, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-LY75 Antibody, hFc Tag with the EC50 of 3.2ng/ml determined by ELISA.