

Biotinylated Human LY75/CD205 Protein (Primary Amine Labeling)

Cat. No. LY7-HM105B

Description

Source	Recombinant Biotinylated Human LY75/CD205 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-terminus. It contains Ser28-Asp1666.
Accession	O60449-1
Molecular Weight	The protein has a predicted MW of 190.2 kDa. Due to glycosylation, the protein migrates to 230-245 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. 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

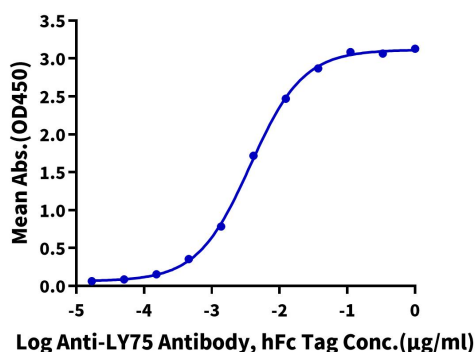


Biotinylated Human LY75 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Biotinylated Human LY75, His Tag ELISA

0.05µg Biotinylated Human LY75, His Tag Per Well



Immobilized Biotinylated Human LY75, His Tag at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-LY75 Antibody, hFc Tag with the EC50 of 3.7ng/ml determined by ELISA.