

Biotinylated Cynomolgus LY75/CD205 Protein (Primary Amine Labeling)

Cat. No. LY7-CM105B

Description

Source	Recombinant Biotinylated Cynomolgus LY75/CD205 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the N-terminus. It contains Ser28-Asp1666.
Accession	XP_005573337.2
Molecular Weight	The protein has a predicted MW of 190.17 kDa. Due to glycosylation, the protein migrates to 200-250 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 > 85% as determined by HPLC

Formulation and Storage

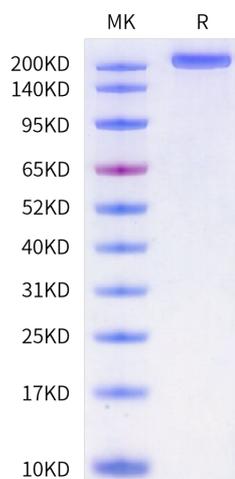
Formulation	Supplied as 0.22 µm filtered solution in PBS, 200mM L-arginine (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

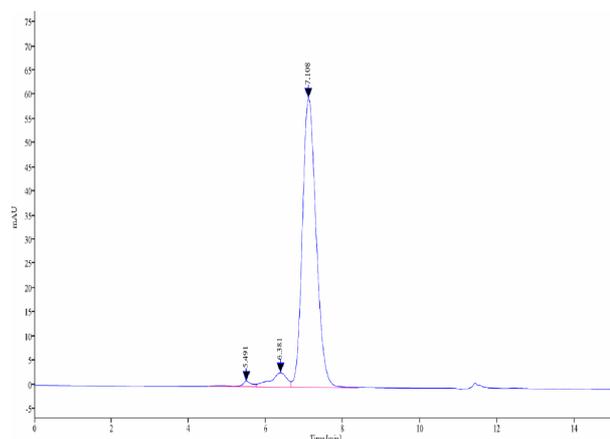
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



The purity of Biotinylated Cynomolgus LY75 is greater than 85% as determined by SEC-HPLC.