

Cynomolgus LY75/CD205 Protein



Cat. No. LY7-CM105

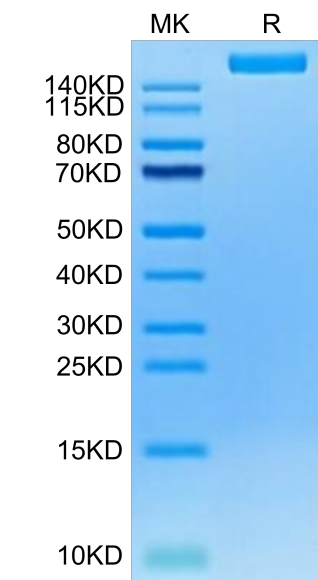
Description	
Source	Recombinant Cynomolgus LY75/CD205 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser28-Asp1666.
Accession	XP_005573337.2
Molecular Weight	The protein has a predicted MW of 190.17 kDa. Due to glycosylation, the protein migrates to 230-245 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
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

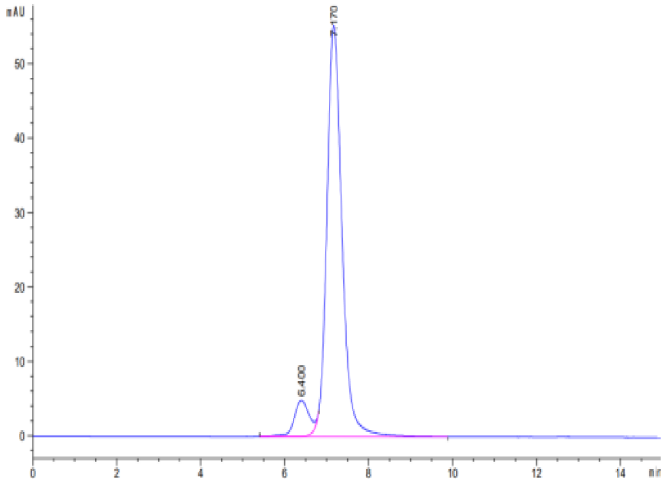
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



The purity of Cynomolgus LY75 is greater than 90% as determined by SEC-HPLC.