

Cynomolgus CD83 Protein

Cat. No. CD8-CM183



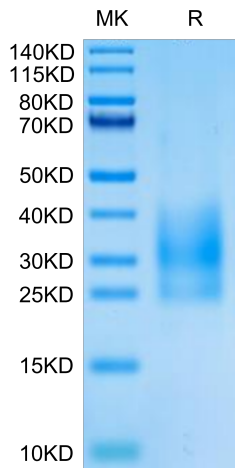
Description	
Source	Recombinant Cynomolgus CD83 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr20-Glu147.
Accession	A0A2K5US85
Molecular Weight	The protein has a predicted MW of 15.43 kDa. Due to glycosylation, the protein migrates to 25-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% 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	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state 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.

Background	
CD83 is a member of the immunoglobulin (Ig) superfamily and is expressed in membrane bound or soluble forms. Membrane CD83 (mCD83) can be detected on a variety of activated immune cells, although it is most highly and stably expressed by mature dendritic cells (DC). While CD83 is emerging as a promising immune modulator with therapeutic potential, some important aspects such as its ligand/s, intracellular signaling pathways and modulators of its expression are unclear.	

Assay Data

Tris-Bis PAGE



Cynomolgus CD83 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

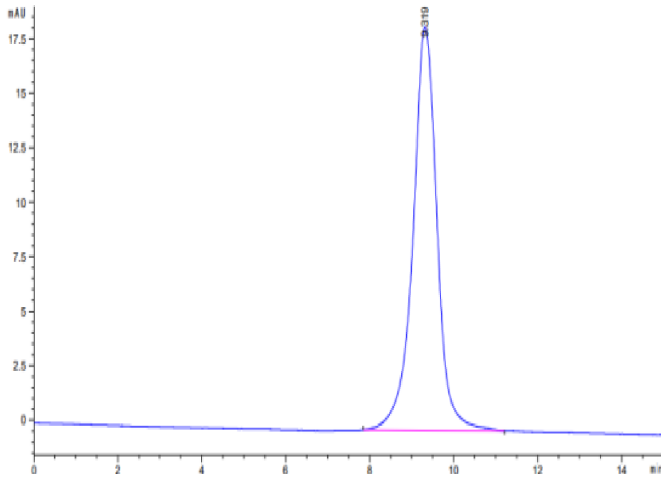
SEC-HPLC

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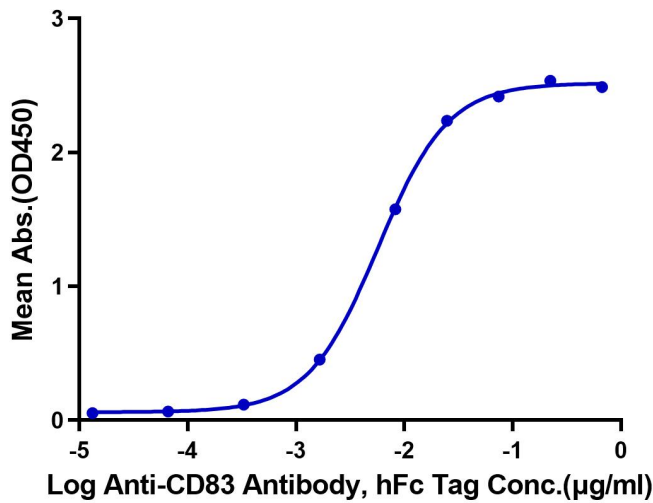
Assay Data



The purity of Cynomolgus CD83 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus CD83, His Tag ELISA
0.05µg Cynomolgus CD83, His Tag Per Well



Immobilized Cynomolgus CD83, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti- CD83 Antibody, hFc Tag with the EC50 of 5.7ng/ml determined by ELISA.