Biotinylated Cynomolgus LY6G6D Protein

Cat. No. LYD-CM46DB

Description

Source	Recombinant Biotinylated Cynomolgus LY6G6D Protein is expressed from HEK293 with His tag and Avi tag at the N-terminus.
	It contains Asn20-Ser104.
Accession	XP_014991478.1
Molecular Weight	The protein has a predicted MW of 12.03 kDa. Due to glycosylation, the protein migrates to 18-25 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
	> 95% as determined by HPLC

Formulation and Storage

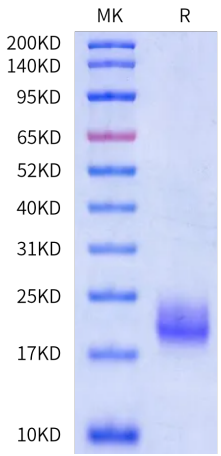
Formulation	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

LY6G6D is a selectively expressed colorectal cancer antigen that can be used for targeting a therapeutic T-cell response by a T-cell engager.LY6G6D was identified as a selectively expressed CRC antigen that can be utilized to potently re-direct and activate cytotoxic T-cells to lyse LY6G6D expressing CRC using a TcE. This effect can be spread to target negative neighboring tumor cells, potentially leading to improved therapeutic efficacy.

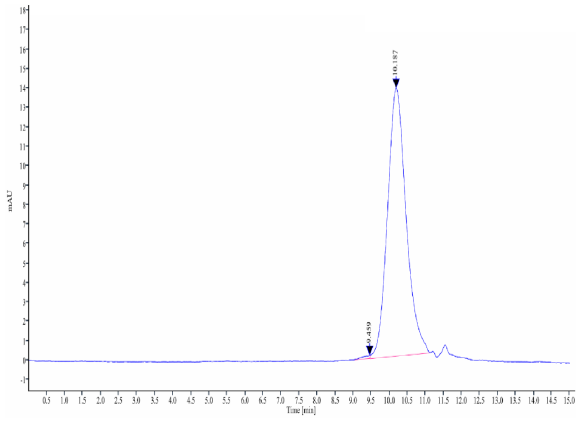
Assay Data

Bis-Tris PAGE



Biotinylated Cynomolgus LY6G6D on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Cynomolgus LY6G6D is greater than 95% as determined by SEC-HPLC.

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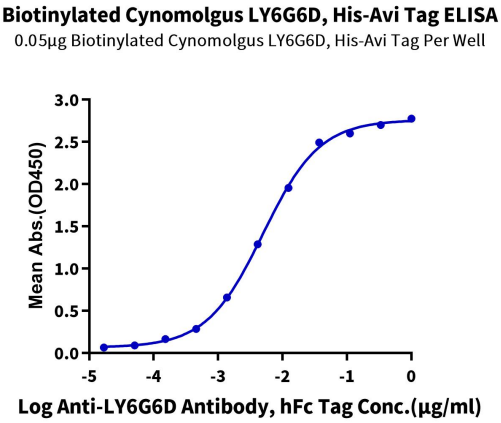
Assay Data

ELISA Data



Immobilized Biotinylated Cynomolgus LY6G6D, His-Avi Tag at 0.5μg/ml (100μl/Well) on streptavidin (5μg/ml) precoated plate. Dose response curve for Anti-LY6G6D Antibody, hFc Tag with the EC50 of 5.0ng/ml determined by ELISA.