

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

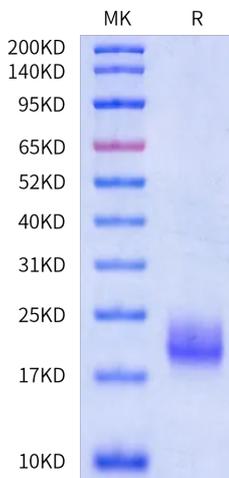
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for 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

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.

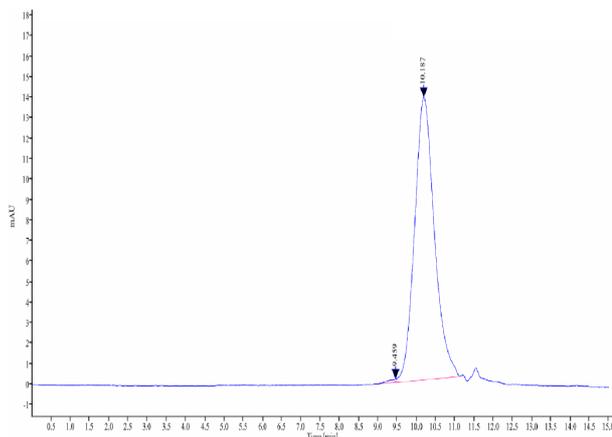
Assay Data

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.

Biotinylated Cynomolgus LY6G6D Protein

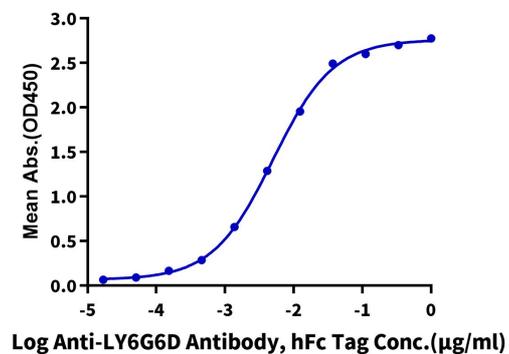
Cat. No. LYD-CM46DB

Assay Data

ELISA Data

Biotinylated Cynomolgus LY6G6D, His-Avi Tag ELISA

0.05 μ g Biotinylated Cynomolgus LY6G6D, His-Avi Tag Per Well



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