Human LY6G6D Protein

Cat. No. LYD-HM1GD

Description

Source	Recombinant Human LY6G6D Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Asn20-Ser104.
Accession	O95868
Molecular Weight	The protein has a predicted MW of 10.20 kDa. Due to glycosylation, the protein migrates to 13-15 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

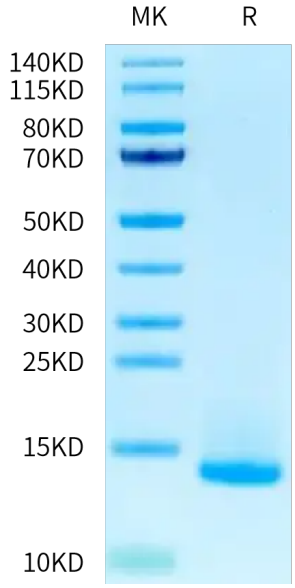
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-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



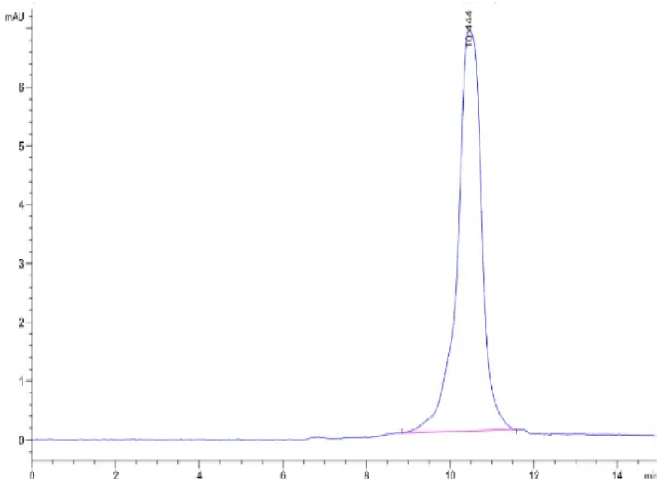
Human LY6G6D on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human LY6G6D Protein

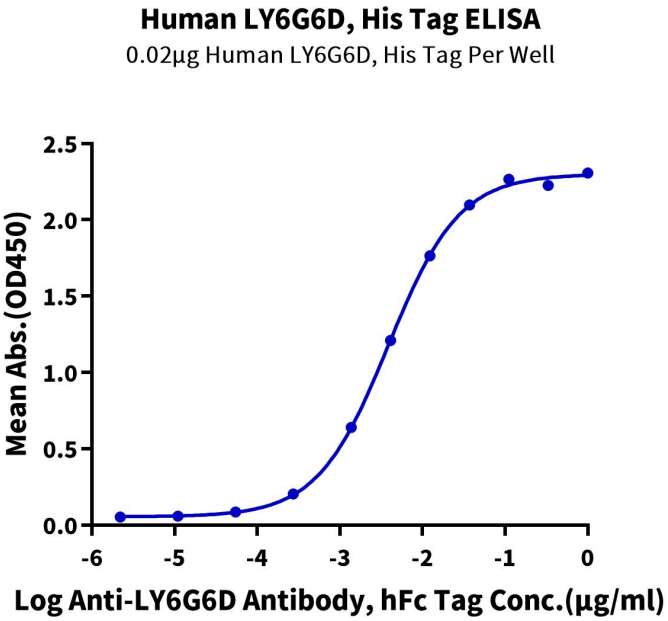
Cat. No. LYD-HM1GD

Assay Data



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

ELISA Data



Immobilized Human LY6G6D, His Tag at 0.2μg/ml (100μl/well) on the plate. Dose response curve for Anti-LY6G6D Antibody, hFc Tag with the EC50 of 3.9ng/ml determined by ELISA.