

Cynomolgus CD40/TNFRSF5 Protein, Ultra Low Endotoxin

Cat. No. CD4-CM140-UL

Description

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|-------------------------|--|
| Source | Recombinant Cynomolgus CD40/TNFRSF5 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Glu21-Arg193. |
| Accession | G7PG38 |
| Molecular Weight | The protein has a predicted MW of 20.3 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 0.01 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

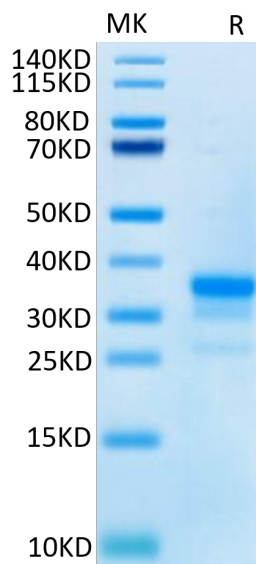
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for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

CD40 is a costimulatory protein found on antigen presenting cells and is required for their activation. The binding of CD154 (CD40L) on TH cells to CD40 activates antigen presenting cells and induces a variety of downstream effects. CD40 molecule is a potential target for cancer immunotherapy. There are number of completed and ongoing clinical trials where agonistic anti-CD40 monoclonal antibodies are employed to activate an anti-tumor T cell response via activation of dendritic cells.

Assay Data

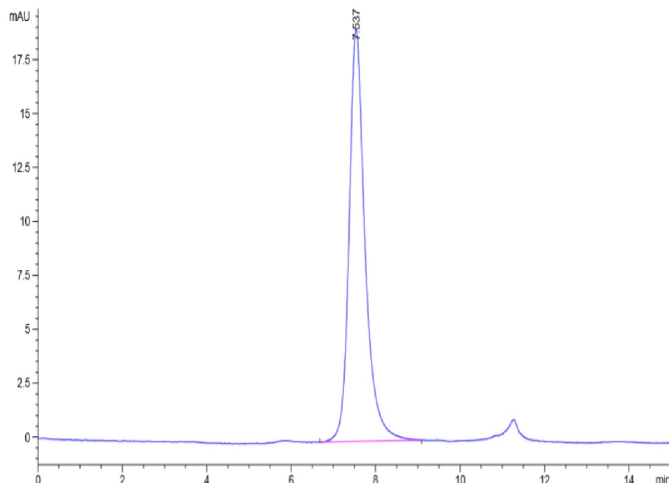
Bis-Tris PAGE



Cynomolgus CD40 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

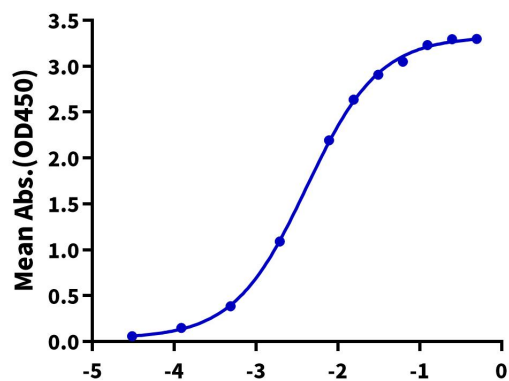


The purity of Cynomolgus CD40 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus CD40, His Tag ELISA

0.2µg Cynomolgus CD40, His Tag Per Well



Immobilized Cynomolgus CD40, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Human/Cynomolgus/Rhesus macaque CD40 Ligand (Trimer) , hFc Tag with the EC50 of 4.1ng/ml determined by ELISA (QC Test).