

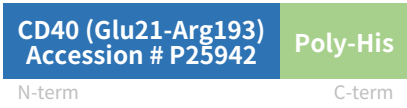
Rev03
Update: Dec,14,2021

DATASHEET

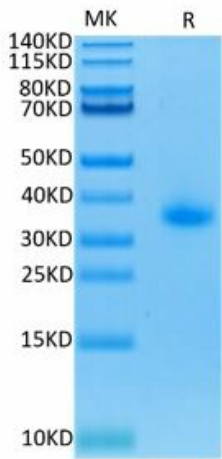
CD40, His, Human

Cat. No.: Z03647

Product Introduction

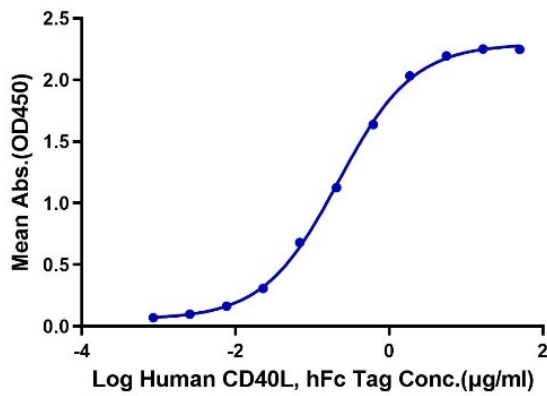
Species	Human
Protein Construction	
Purity	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
Endotoxin Level	≤ 1 EU/μg of protein by LAL method
Biological Activity	Immobilized Human CD40, His Tag at 0.5 μg/ml (100 μl/Well). Dose response curve for Human CD40L, hFc Tag with the EC ₅₀ of 0.22 μg/ml determined by ELISA.
Expression System	Expi293
Apparent Molecular Weight	35~40 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.22 μm filtered solution in PBS, pH 7.4. Normally 5 % trehalose is added as protectant before lyophilization.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in distilled water up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Avoid repeated freeze-thaw cycles.

Examples

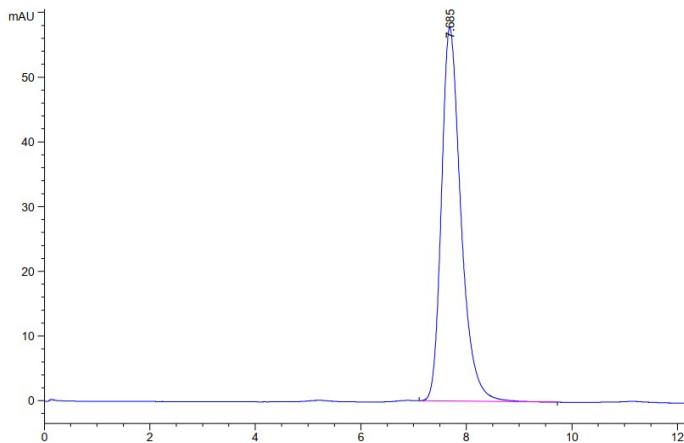


Human CD40 on SDS-PAGE under reducing conditions. The purity is greater than 95%.

Human CD40, His Tag ELISA
0.05 μ g Human CD40, His Tag Per Well



Immobilized Human CD40, His Tag at 0.5 μ g/ml (100 μ l/Well).
Dose response curve for Human CD40L, hFc Tag with the EC50 of 0.22 μ g/ml determined by ELISA.



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

Background

Target 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.

Synonyms : CD40; CD40L receptor; TNFRSF5; B cell surface antigen CD40; B-cell surface antigen CD40; Bp50B cell-associated molecule; CD40 antigen; CD40 molecule, TNF receptor superfamily member 5; CD40 type II isoform; CDw40; MGC9013; nerve growth factor receptor-related B-lymphocyte activation molecule; p50; TNFRSF5CD40 antigen (TNF receptor superfamily member 5); tumor necrosis factor receptor superfamily member 5; tumor necrosis factor receptor superfamily, member 5

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.