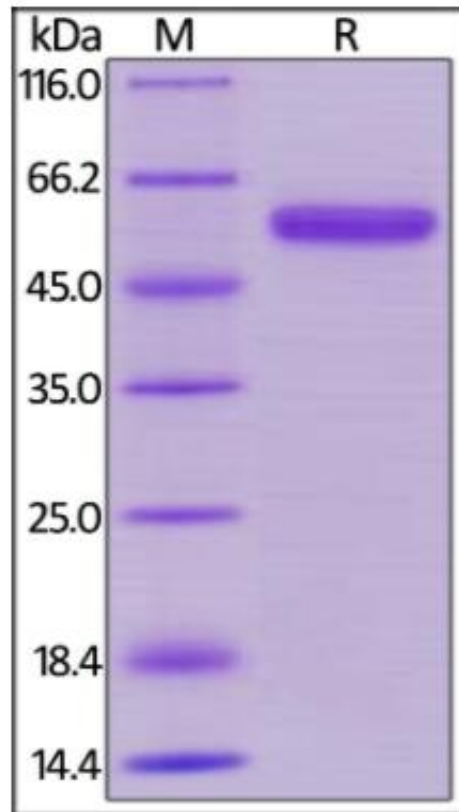


Recombinant Human CD40 protein, C-mFc Tag

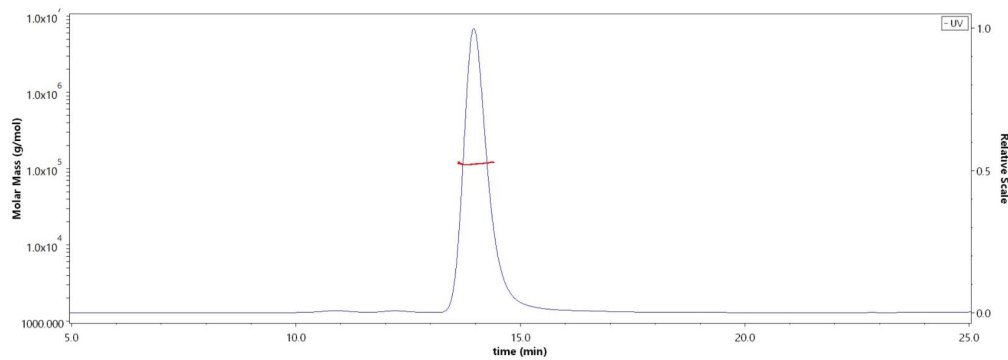
Product Information

Cat	IMP-156
Official Symbol	CD40
Product Overview	Recombinant Human CD40 protein(AA Glu 21-Arg 193)(Accession # P25942-1) is expressed from human 293 cells (HEK293). This protein carries a mouse IgG2a Fc tag at the C-terminus.
Expression System	HEK293
Species	Human
Tag	C-mFc Tag
Form	Lyophilized from sterile 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5, 10% trehalose.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 46.1 kDa. The protein migrates as 58 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Protein length	Glu 21-Arg 193
Endotoxin	Less than 0.1 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
SDS-PAGE	



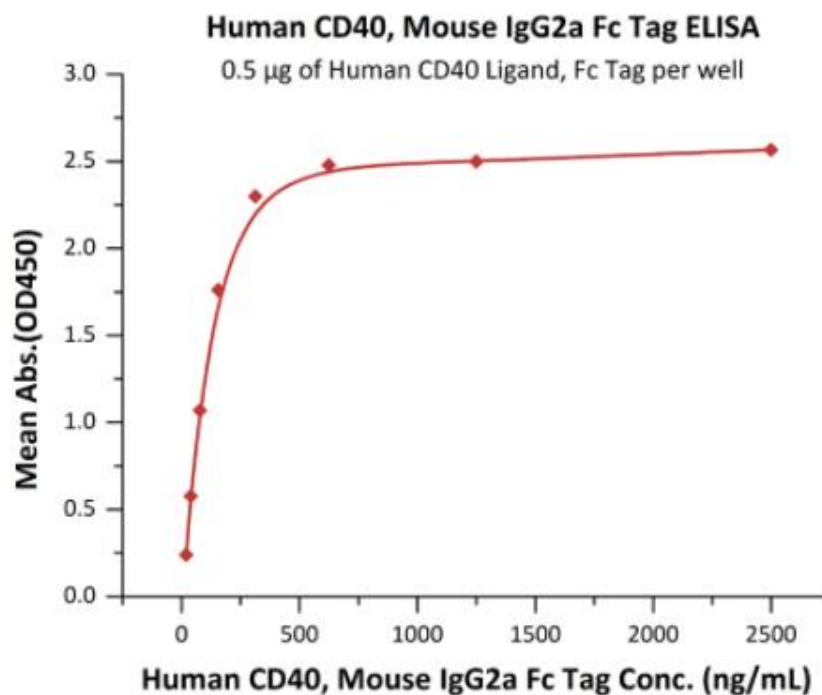
Human CD40, Mouse IgG2a Fc Tag, low endotoxin (MALS verified) on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS 1



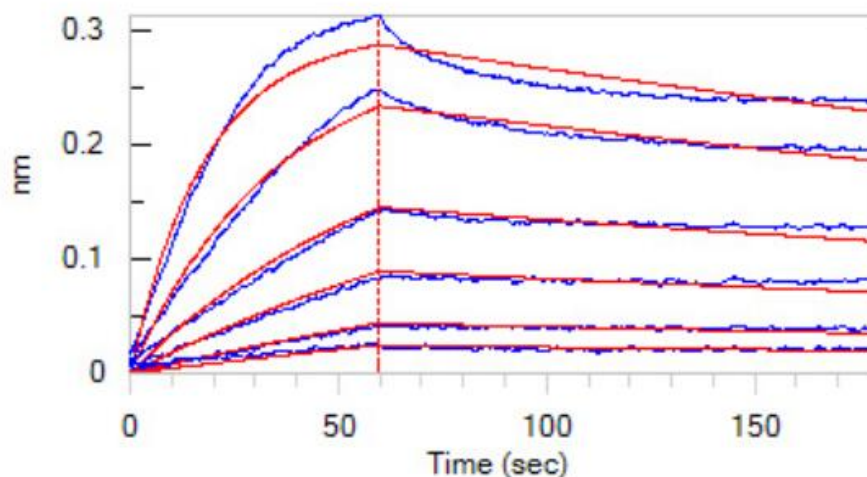
The purity of Human CD40, Mouse IgG2a Fc Tag, low endotoxin (MALS verified) was more than 90% and the molecular weight of this protein is around 110-125 kDa verified by SEC-MALS.

Bioactivity-ELISA



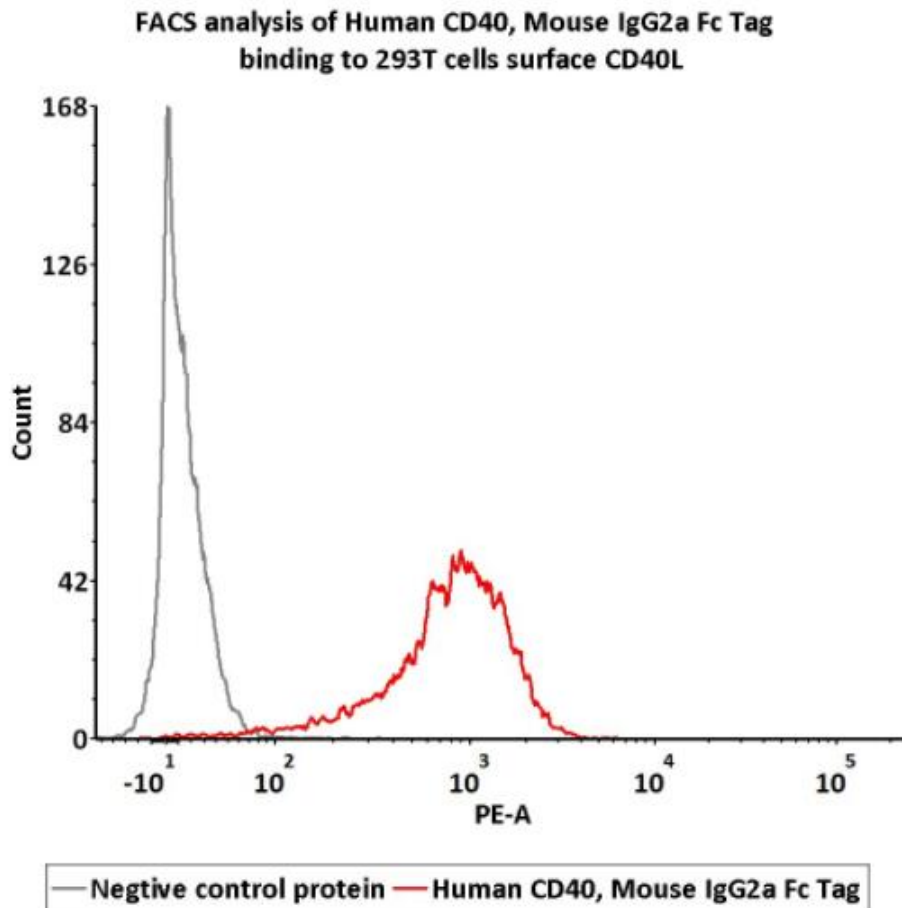
Immobilized Human CD40 Ligand, Fc Tag at 5 ug/mL (100 uL/well) can bind Human CD40, Mouse IgG2a Fc Tag, low endotoxin with a linear range of 20-156 ng/mL.

Bioactivity-BL



Loaded Human CD40, Mouse IgG2a Fc Tag, low endotoxin on Protein A Biosensor, can bind Human CD40 Ligand, His,Flag Tag (active trimer) (MALS verified) with an affinity constant of 0.911 nM as determined in BLI assay (ForteBio Octet Red96e).

Bioactivity-FACS 1



FACS analysis shows that Human CD40, Mouse IgG2a Fc Tag, low endotoxin can bind to 293T cells overexpressing human CD40L. The concentration of Human CD40 is 0.03 ug/ml.