

Active Recombinant Mouse CD40 protein, Fc-Avi-tagged, Biotinylated

Cat. No. CD40-2980M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Mouse CD40 protein(Val 24-Arg 193), fused with Fc and Avi tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Val 24-Arg 193
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Mouse CD40, Fc,Avitag at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate can bind Mouse CD40 Ligand, His Tag (active trimer) with a linear range of 10-78 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 47.1 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.>95% as determined by SEC-MALS.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin
GENE INFORMATION	
Gene Name	Cd40 CD40 antigen [Mus musculus]
Official Symbol	CD40
Synonyms	CD40; CD40 antigen; tumor necrosis factor receptor superfamily member 5; CD40L receptor; B-cell surface antigen CD40; T-cell differentiation antigen; tumor necrosis factor receptor superfamily, member 5; IGM; p50; Bp50; GP39; IMD3; TRAP; HIGM1; T-BAM; Tnfrsf5; AI326936;
Gene ID	21939
mRNA Refseq	NM_011611
Protein Refseq	NP_035741

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