

Recombinant Human CD4 protein, His-Avi-tagged

Cat. No. CD4-293H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD40 is expressed from mammalian with a His and a Avi tag at the C-terminal. It contains Glu21-Arg193.
Species	Human
Source	HEK293
ProteinLength	It contains Glu21-Arg193.
Description	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.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 22.1 kDa. Due to glycosylation, the protein migrates to 35-40 KDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

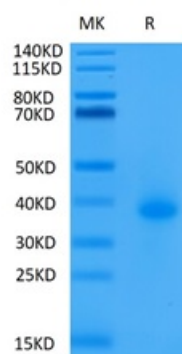
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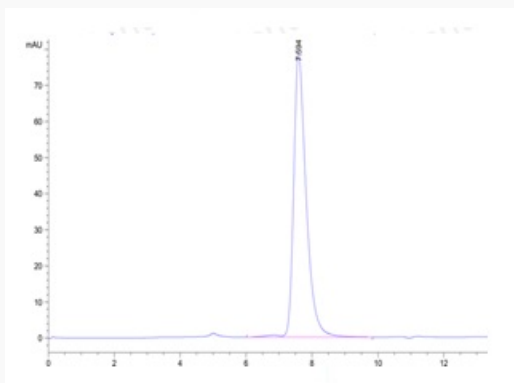
 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
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.
GENE INFORMATION	
Gene Name	CD4 CD4 molecule [Homo sapiens]
Official Symbol	CD4
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
Gene ID	920
mRNA Refseq	NM_000616
Protein Refseq	NP_000607
MIM	186940
UniProt ID	P01730

Tris-Bis PAGE



HPLC data



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