

Active Recombinant Human CD4 protein, His-tagged

Cat. No. CD4-3167H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD4 protein(Lys 26 - Trp 390), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	26-390 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Ibalizumab at 1 µg/mL (100 µL/well) can bind Human CD4, His Tag with a linear range of 0.8-6 ng/mL. Immobilized Human CD4, His Tag at 1 µg/mL (100 µL/well) can bind Ibalizumab with a linear range of 0.2-13 ng/mL. Immobilized Human CD4, His Tag at 2 µg/mL (100 µL/well) can bind Anti-CD4 with a linear range of 0.4-7 ng/mL.
Molecular Mass	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 41.5 kDa. The protein migrates as 47-54 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Lys26-Trp390
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after 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.

GENE INFORMATION

Gene Name	CD4 CD4 molecule [Homo sapiens]
Official Symbol	CD4
Synonyms	CD4; CD4 molecule; CD4 antigen (p55) , T cell surface glycoprotein CD4; T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3; CD4mut;
Gene ID	920
mRNA Refseq	NM_000616
Protein Refseq	NP_000607
MIM	186940
UniProt ID	P01730

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