

# Active Recombinant Human CD4 protein, hFc-tagged, Low Endotoxin

**Cat. No.** CD4-052H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD4 protein(P01730)(Lys26-Trp390), fused with C-terminal hFc tag, was expressed in HEK293.                                                               |
| <b>Species</b>          | Human                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                     |
| <b>ProteinLength</b>    | 26-390 aa                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS, 100mM L-arginine (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                           |
| <b>Bio-activity</b>     | Immobilized Human CD4 at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-CD4 Antibody, hFc Tag with the EC50 of 15.4ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 67.5 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.                                         |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                          |
| <b>Storage</b>          | Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3                                                                                          |

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## 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

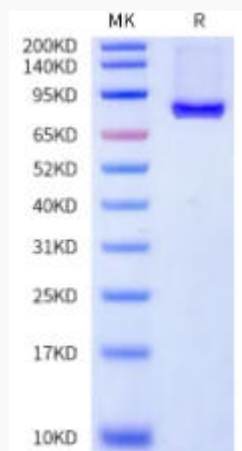
**UniProt ID** P01730

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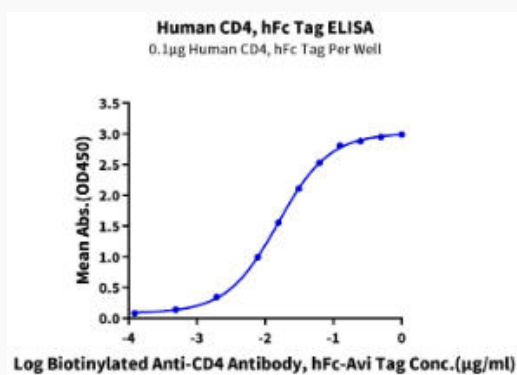
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## Bis-Tris PAGE



## ELISA Data



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