

PRODUCT INFORMATION

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|---|---|
| Target | CD4 |
| Synonyms | T4; IMD79; Leu-3; OKT4D; CD4mut |
| Description | Recombinant human CD4 Protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | P01730 |
| Expression Host | HEK293 |
| Tag | C-6×His tag |
| Molecular Characterization | CD4(Lys26-Pro396) 6×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 42.1 kDa after removal of the signal peptide. The apparent molecular mass of CD4-His is approximately 35-55 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Sterility | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use. |
| Background | This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, May 2020] |
| Usage | Research use only |
| Conjugate | Unconjugated |



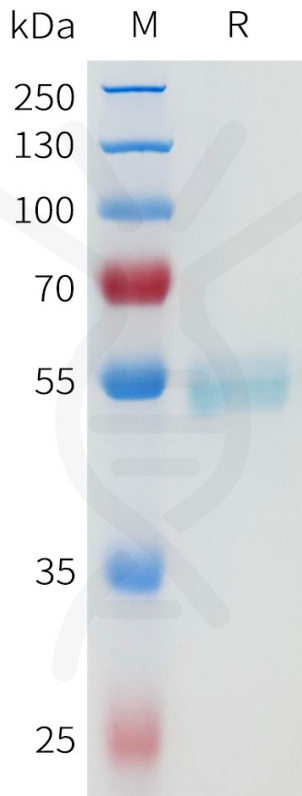


Figure 1. Human CD4 Protein, His Tag on SDS-PAGE under reducing condition.

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