

Biotinylated Human CD4/LEU3 Protein, His-Avi Tag

产品信息

| 产品名称 | 产品编号 | 规格 |
|--|-----------|--------|
| | 93130ES60 | 100 µg |
| Biotinylated Human CD4/LEU3 Protein, His-Avi Tag | 93130ES76 | 500 µg |
| | 93130ES80 | 1 mg |

产品描述

CD4, also known as LEU3 is an approximately 55 kDa type I transmembrane glycoprotein that is expressed predominantly on thymocytes and a subset of mature T lymphocytes. Within the ECD, human CD4 shares approximately 52% aa sequence identity with mouse and rat CD4. CD4 is expressed along with CD8 on double positive T cells during their development in the thymus. CD4 binds directly to MHC class II molecules on antigen presenting cells. This interaction contributes to the formation of the immunological synapse which is focused around the TCR-MHC class II-antigenic peptide interaction. CD4 also functions as a chemotactic receptor for IL-16 and, in human, as a co-receptor for the gp120 surface glycoprotein of HIV-1.

产品性质

| | |
|----------------------------|--|
| Synonyms | CD4 antigen (p55); CD4 molecule; CD4 receptor; CD4; CD4mut; EU3 |
| Uniprot No. | P01730 |
| Source | Recombinant Biotinylated Human CD4/LEU3 Protein is expressed from HEK293 Cells with His tag and Avi tag at the C-terminal. It contains Lys26-Trp390. |
| Molecular Weight | The protein has a predicted MW of 43.6 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result. |
| Physical Appearance | Sterile Filtered White lyophilized (freeze-dried) powder. |
| Purity | > 95% as determined by SDS-PAGE and HPLC |
| Endotoxin | < 1.0 EU per 1µg of the protein by the LAL method. |
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization. |
| Reconstitution | Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water. |

运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

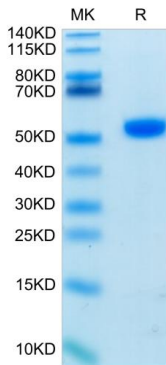
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

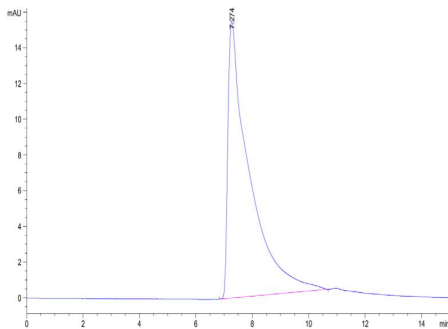
产品数据

Tris-Bis PAGE



Biotinylated Human CD4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

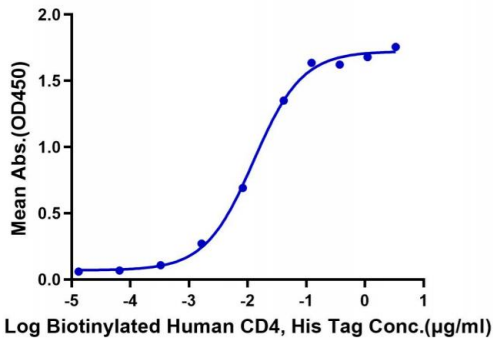
SEC-HPLC



The purity of Biotinylated Human CD4 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human CD4, His Tag ELISA
0.1 μ g Anti-CD4 Antibody, hFc Tag Per Well



Immobilized Anti-CD4 Antibody, hFc Tag at 1 μ g/mL (100 μ l/well) on the plate. Dose response curve for Biotinylated Human CD4, His Tag with the EC₅₀ of 12.7ng/mL determined by ELISA.