

Datasheet for ABIN7281129
CD4 Protein (CD4) (AA 26-396) (His tag)



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1 Image

Overview

| | |
|-------------------------------|--------------------------------------------|
| Quantity: | 100 µg |
| Target: | CD4 |
| Protein Characteristics: | AA 26-396 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD4 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

Product Details

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|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sequence: | <p>KKVVLGKKGD TVELTCTASQ KKSIFHWKN SNQIKILGNQ GSFLTGKPSK LNDRADSRRS LWDQGNFPLI IKNLKIEDSD TYICEVEDQK EEVQLLVFGL TANSDTHLLQ GQSLTLTLES PPGSSPSVQC RSPRGKNIQG GKTLSSVSQLE LQDSGTWTCT VLQNQKKVEF KIDIVLAFQ KASSIVYKKE GEQVEFSFPL AFTVEKLTGS GELWWQAERA SSSKSWITFD LKNKEVSVKR VTQDPKLQMG KKLPLHLTLP QALPQYAGSG NLTLALEAKT GKLHQEVNLV VMRATQLQKN LTCEVWGPTS PKLMLSLKLE NKEAKVSKRE KAVWVLNPEA GMWQCLLSDS GQVLLESNIK VLPTWSTPVQ PHHHHHH</p> |
| Purity: | > 95 % by SDS - PAGE |
| Endotoxin Level: | < 1.0 EU per 1 microgram of protein (determined by LAL method) |

Target Details

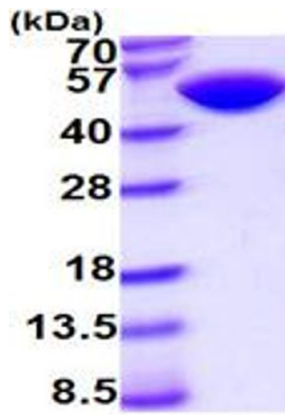
| | |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | CD4 |
| Alternative Name: | CD4 (CD4 Products) |
| Background: | CD4, also known as T-cell surface glycoprotein CD4, is a glycoprotein expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages, and dendritic cells. It interacts directly with MHC class II molecules on the surface of the antigen presenting cell via its extracellular domain. It is a co-receptor that assists the T cell receptor (TCR) to activate its T cell following an interaction with an antigen presenting cell. Recombinant human CD4, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Molecular Weight: | 42.1kDa (377aa) 40-57kDa (SDS-PAGE under reducing conditions) |
| NCBI Accession: | NP_000607 |
| UniProt: | P01730 |
| Pathways: | TCR Signaling , Maintenance of Protein Location , CXCR4-mediated Signaling Events |

Application Details

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|--------------------|--------------------------------------------------------------------|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

Handling

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|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Format: | Liquid |
| Concentration: | 0.25 mg/mL |
| Buffer: | Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol. |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles. |



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.