

Datasheet for ABIN6923184

CD4 Protein (CD4) (AA 26-396) (Fc Tag,FITC)[Go to Product page](#)**3** Images

Overview

Quantity:	200 µg
Target:	CD4
Protein Characteristics:	AA 26-396
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD4 protein is labelled with Fc Tag,FITC.

Product Details

Sequence:	AA 26-396
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD4
Alternative Name:	CD4 (CD4 Products)
Background:	T-cell surface glycoprotein CD4 is also known as T-cell surface antigen T4/Leu-3. CD4 contains three Ig-like C2-type (immunoglobulin-like) domains and one Ig-like V-type (immunoglobulin-like) domain. CD4 is accessory protein for MHC class-II antigen/T-cell receptor interaction. CD4 induces the aggregation of lipid rafts. CD4 is a primary receptor used by HIV-1 to gain entry into

Target Details

host T cells. HIV infection leads to a progressive reduction of the number of T cells possessing CD4 receptors. Therefore, medical professionals refer to the CD4 count to decide when to begin treatment for HIV-infected patients.

Molecular Weight: 67.7 kDa

Pathways: [TCR Signaling](#), [Maintenance of Protein Location](#), [CXCR4-mediated Signaling Events](#)

Application Details

Restrictions: For Research Use only

Handling

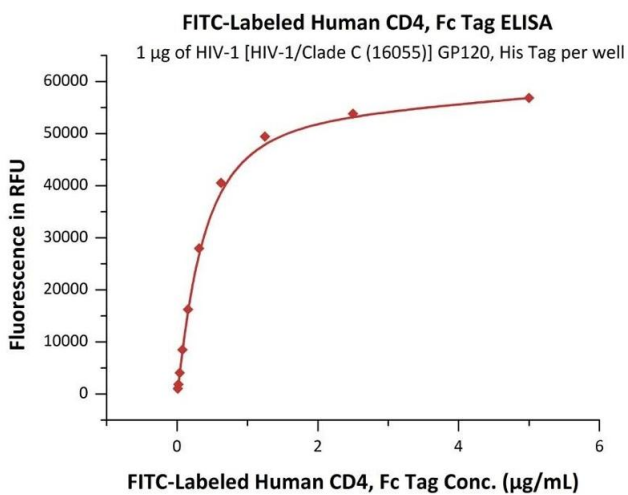
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

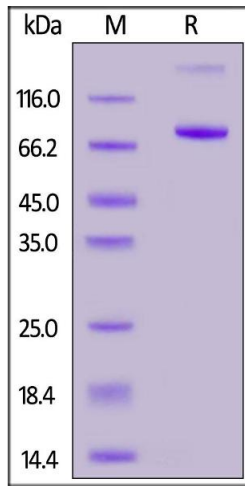
Storage: -20 °C

Images



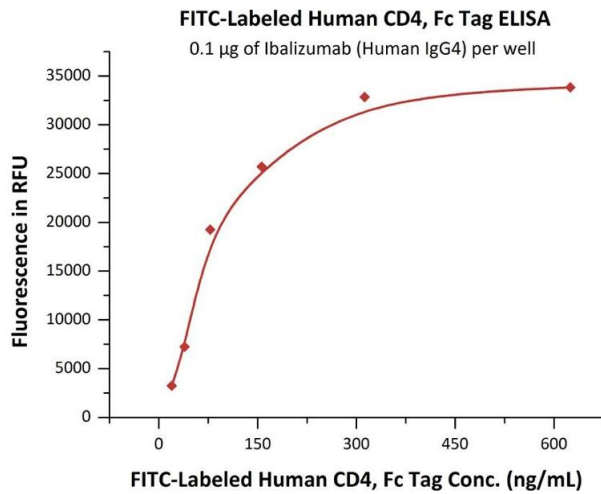
ELISA

Image 1. Immobilized HIV-1 [HIV-1/Clade C (16055)] GP120, His Tag (4) at 2 µg/mL (100 µL/well) can bind Fed Human CD4, Fc Tag (ABIN6923184, ABIN6938828) with a linear range of 0.04-0.313 µg/mL (Routinely tested).



SDS-PAGE

Image 2. Fed Human CD4, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .



ELISA

Image 3. Immobilized Ibalizumab (Human IgG4) at 1 µg/mL (100 µL/well) can bind Fed Human CD4, Fc Tag (ABIN6923184, ABIN6938828) with a linear range of 20-313 ng/mL (QC tested).