

Recombinant Human CD4 Protein, DYKDDDDK-tagged

Cat. No. CD4-151H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD4 molecule(CD4), transcript variant 1(NM_000616), with a DYKDDDDK tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific 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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.150, without any preservatives.
Molecular Mass	48.3 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

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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