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Product Information

Recombinant Anti-Human CD4 Single Domain Antibody

Cat. No.: **NAB-L105**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Single Domain Antibody to human CD4.

Antigen Description

In molecular biology, CD4 (cluster of differentiation 4) is a glycoprotein found on the surface of immune cells such as T helper cells, monocytes, macrophages, and dendritic cells. It was discovered in the late 1970s and was originally known as leu-3 and T4 (after the OKT4 monoclonal antibody that reacted with it) before being named CD4 in 1984. In humans, the CD4 protein is encoded by the CD4 gene.

Specific Activity

Tested positive against native human antigen.

Target

CD4

Immunogen

The details of the immunogen for this antibody are not available.

Source

llama

Species Reactivity

Human

Type

llama Single Domain Antibody

Expression Host

E.coli

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFOMATION

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

Chromosome Location

12p13.31

Pathway

Adaptive Immune System, organism-specific biosystem; Alpha-defensins, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Arf1 pathway, organism-specific biosystem; Binding and entry of HIV virion, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem;

Function

MHC class II protein binding; coreceptor activity; enzyme binding; extracellular matrix structural constituent; glycoprotein binding; protein binding; protein homodimerization activity; protein kinase binding; receptor activity; transmembrane signaling receptor activity; zinc ion binding;

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