Summary

Production Name	CD4 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	CD4
Alternative Names	T-cell surface glycoprotein CD4, T-cell surface antigen T4/Leu-3, CD4, CD4
Gene ID	920.0
SwissProt ID	P01730. This CD4 Monoclonal antibody is generated from mouses immunized with a KLH conjugated synthetic peptide selected from human CD4.

Application

Dilution Ratio	WB:1:500-1:1000
Molecular Weight	51.1kDa

Background

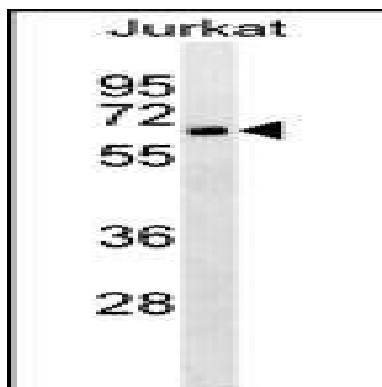This gene encodes a membrane glycoprotein of T lymphocytes

that interacts with major histocompatibility complex class II antigenes 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.

Research Area

TGF-beta signaling pathway

Image Data

CD4 Antibody (Ascites)(Cat. #AMM85939) western blot analysis in Jurkat cell line lysates (35 µg/lane).This demonstrates the CD4 antibody detected the CD4 protein (arrow).

Note

For research use only.