

CD4 (9H5A8) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 253280

Unit: 0.1 mg

Description:

CD4 is a member of the immunoglobulin superfamily and is implicated as associative recognition element in MHC (Major Histocompatibility Complex) class II-restricted immune response. On T-lymphocytes, it defines the helper/inducer subset. The mature 55 kd CD4 protein consists of a 372 amino acid extracellular segment composed of four tandem immunoglobulin-like VJ regions. The CD4 molecule is a major receptor for human immunodeficiency virus (HIV), binding directly to the envelope glycoprotein gp120 on HIV, with the co-receptors being CCR5 or CXCR4. It has been shown that the V-like domains are critical for binding with HIV envelope gp120.

Isotype: Mouse IgG1

Applications: E, WB

Species Reactivity: H, M, R

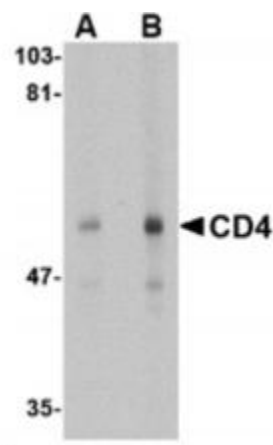
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.02% sodium azide. Antibody was purified by Protein-A affinity chromatography.

Alternate Names: CD4; CD4 antigen; CD4 receptor

Accession No.: P01730

Antigen: 193-aa recombinant protein within the N-term region of human CD4.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500



Western blot analysis of CD4 in human thymus lysate with CD4 (9H5A8) Antibody (Cat. No. 253280) at 0.5 ug/ml (A) and 1 ug/ml (B).

Storage: Store at 4°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.