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36-3489: Anti-CD4 (T-Helper/Inducer Cell Marker) Monoclonal Antibody(Clone: CD4/1604)

Clonality: Monoclonal
Clone Name: CD4/1604
Application: ELISA
Reactivity: Human
Gene: CD4
Gene ID: 920
Uniprot ID: P01730

Alternative Name: L3T4; Leu3; Ly-4; Lymphocyte antigen CD4; p55; T cell antigen T4/LEU3; T cell differentiation

antigen L3T4; T-cell surface antigen T4/Leu-3; T-cell surface glycoprotein CD4

Isotype: Mouse IgG2b, kappa

Immunogen Information: Recombinant human CD4 protein fragment (around aa 245-392) (exact sequence is proprietary)

Description

Recognizes a protein of 55kDa, identified as CD4. It is 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 protein 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. The majority of peripheral T-cell lymphomas are derived from the T-helper/regulatory cell subset so that most mature T-cell neoplasms are CD4+/CD8-. Anti-CD4 is used in the immunohistochemical staining of lymphoproliferative disorders to evaluate tumors with CD4 aberrant expression.

Product Info

Amount: 20 μg / 100 μg

Content: 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage condition:

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is

stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order Ab without BSA);

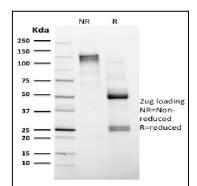


Fig. 1: SDS-PAGE Analysis Purified CD4 Mouse Monoclonal Antibody (CD4/1604). Confirmation of Integrity and Purity of Antibody.