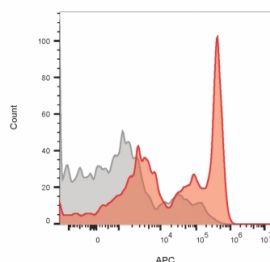


CD4 Antibody [clone CD4/1604] (V9139)

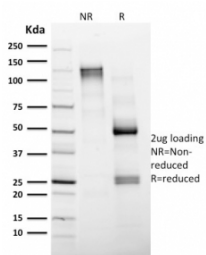
Catalog No.	Formulation	Size
V9139-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9139-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9139SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	CD4/1604
Purity	Protein A/G affinity
UniProt	P01730
Localization	Cell Surface
Applications	ELISA (order BSA-free Format For Coating) : Flow Cytometry : 1-2ug/million cells
Limitations	This CD4 antibody is available for research use only.



FACS staining of lymphocyte-gated human PBM cells with CD4 antibody (red, clone CD4/1604) and isotype control (gray).



SDS-PAGE analysis of purified, BSA-free CD4 antibody (clone CD4/1604) as confirmation of integrity and purity.

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.

Application Notes

Optimal dilution of the CD4 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 245-392 was used as the immunogen for the CD4 antibody.

Storage

Aliquot the CD4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.