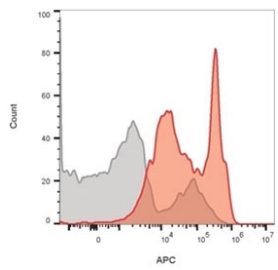
CD4 Antibody [clone RIV7] (V8208)

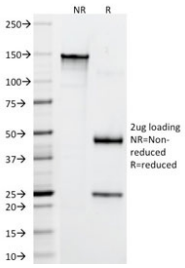
Catalog No.	Formulation	Size
V8208-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8208-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8208SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	RIV7
Purity	Protein G affinity chromatography
UniProt	P06332
Localization	Cell surface
Applications	Functional Studies (order BSA/azide-free Format) : Flow Cytometry : 1-2ug/10^6 cells in 0.1ml Immunofluorescence : 1-2ug/ml
Limitations	This CD4 antibody is available for research use only.



Flow cytometry staining of lymphocyte gated human PBM cells with CD4 antibody; Gray=isotype control, Red= CD4 antibody.



SDS-PAGE analysis of purified, BSA-free CD4 antibody (clone RIV7) 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. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Application Notes

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

Immunogen

Human peripheral lymphocytes were used as the immunogen for the CD4 antibody.

Storage

Store the CD4 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com