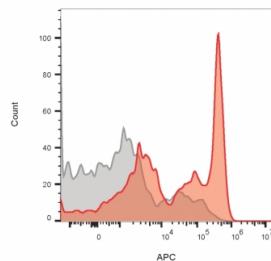


## CD4 Antibody [clone CD4/1604] (V9139)

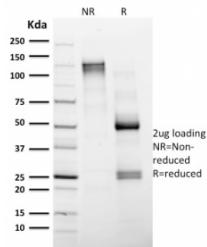
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V9139-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9139-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V9139SAF-100UG | 1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

[Bulk quote request](#)

|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Host</b>               | Mouse   |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG2b, kappa  |
| <b>Clone Name</b>         | CD4/1604  |
| <b>Purity</b>             | Protein A/G affinity  |
| <b>UniProt</b>            | P01730  |
| <b>Localization</b>       | Cell Surface  |
| <b>Applications</b>       | ELISA (order BSA-free Format For Coating) :<br>Flow Cytometry : 1-2ug/million cells |
| <b>Limitations</b>        | 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.