

## CD4 Monoclonal Antibody

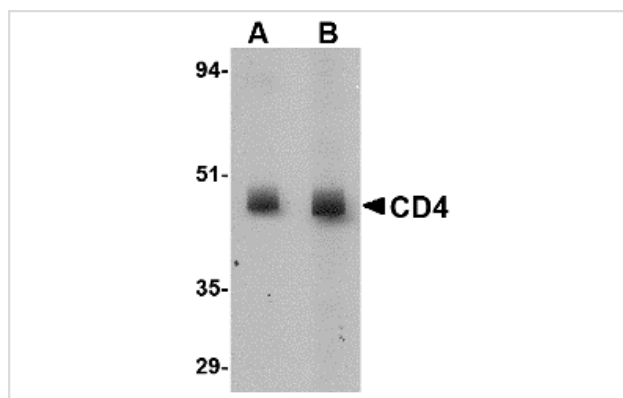
Catalog No: #26037

Package Size: #26037 100ul

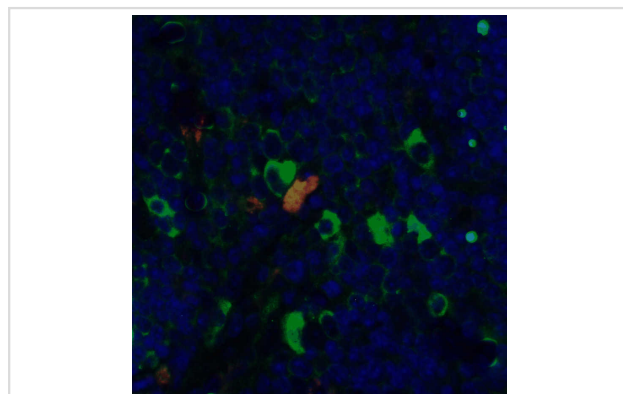
## Description

|                       |                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------|
| Product Name          | CD4 Monoclonal Antibody                                                                        |
| Host Species          | Mouse                                                                                          |
| Clonality             | Monoclonal                                                                                     |
| Clone No.             | mAb (Clone 8G1B12)                                                                             |
| Purification          | Immunoaffinity chromatography purified IgG                                                     |
| Applications          | ELISA WB                                                                                       |
| Species Reactivity    | Hu Ms Rt                                                                                       |
| Immunogen Type        | Recombinant protein                                                                            |
| Immunogen Description | Raised against a 193 amino acid recombinant protein from near the amino terminus of human CD4. |
| Conjugates            | Unconjugated                                                                                   |
| Target Name           | CD4                                                                                            |
| Other Names           | CD4 (8G1B12), CD4 antigen, CD4 receptor                                                        |
| Accession No.         | Swiss-Prot:P01730Gene ID:920                                                                   |
| Concentration         | 1mg/ml                                                                                         |
| Formulation           | Supplied in PBS containing 0.02% sodium azide.                                                 |
| Storage               | Can be stored at -20°C, stable for one year.                                                   |

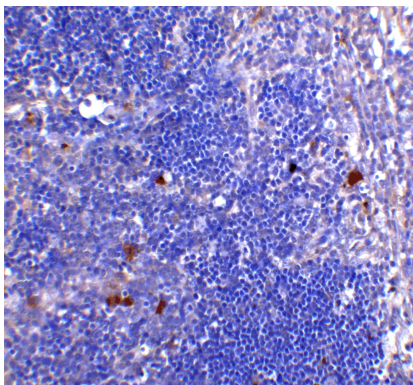
## Images



Western blot analysis of CD4 in rat lung tissue lysate with CD4 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunofluorescence of CD4 in human thymus tissue with CD4 antibody at 5 µg/ml.



Immunohistochemistry of CD4 in human thymus tissue with CD4 antibody at 5 µg/ml.

## Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.