

CD4 Monoclonal Antibody

Catalog No: #26037

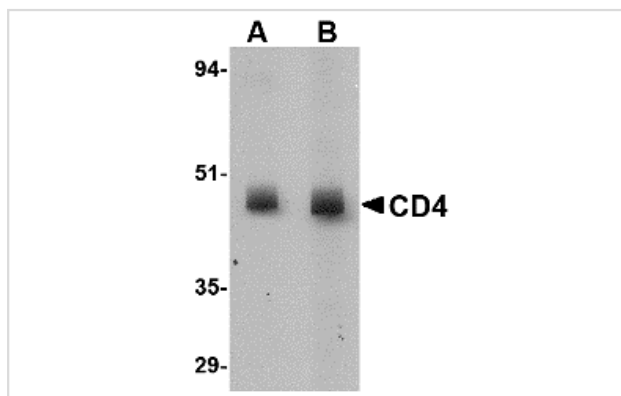
Orders: order@signalwayantibody.com

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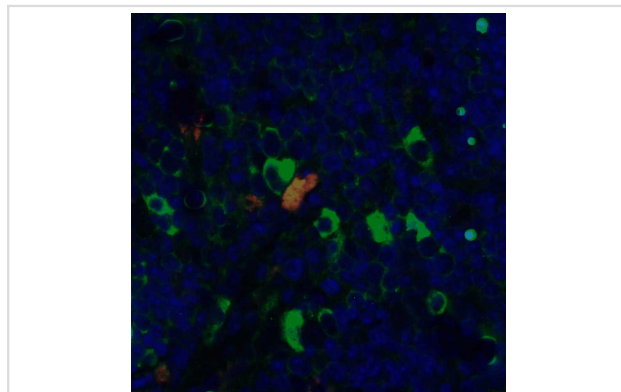
Description

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.
Target Name	CD4
Other Names	CD4 (8G1B12), CD4 antigen, CD4 receptor
Accession No.	Swiss-Prot:P01730Gene ID:920
Uniprot	P01730
GeneID	920;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year.

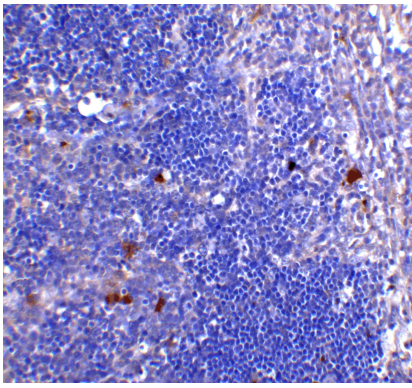
Images



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