

## Anti-CD4 Monoclonal Antibody [9H5A8]

Catalog Number: M00344-2

### About CD4

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.

### Overview

Product Name	Anti-CD4 Monoclonal Antibody [9H5A8]
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-CD4 Monoclonal Antibody [9H5A8] (Catalog # M00344-2). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Monoclonal Clone: 9H5A8
Formulation	CD4 Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CD4 monoclonal antibody can be stored at -20°C, stable for one year.
Host	Mouse
Uniprot ID	P01730

### Technical Details

Immunogen	Mouse monoclonal CD4 antibody was raised against a 193 amino acid recombinant protein from near the amino terminus of human CD4.
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	Biotin-GAPDH antibody is human, mouse, rat, and rabbit reactive.
Isotype	IgG1
Form	Liquid
Concentration	1 mg/mL
Purification	CD4 Monoclonal Antibody is immunoaffinity chromatography purified IgG.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB: 0.5-4 ug/mL; IHC: 5 ug/mL.

Antibody validated: Western Blot in human, mouse and rat samples; Immunohistochemistry in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-CD4 Monoclonal Antibody [9H5A8]