

**Product Name: CD4 (7H9) Mouse Monoclonal Antibody**  
**Catalog #: AMM00731**



## Summary

<b>Production Name</b>	CD4 (7H9) Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC-P
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	CD4
<b>Alternative Names</b>	CD4; T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; CD antigen CD4
<b>Gene ID</b>	920
<b>SwissProt ID</b>	P01730.

## Application

<b>Dilution Ratio</b>	IHC: 1:50-1:100
<b>Molecular Weight</b>	-

## Background

Cluster of Differentiation 4 (CD4) is a glycoprotein composed of an amino-terminal extracellular domain (four domains: D1-

**Product Name: CD4 (7H9) Mouse Monoclonal Antibody**  
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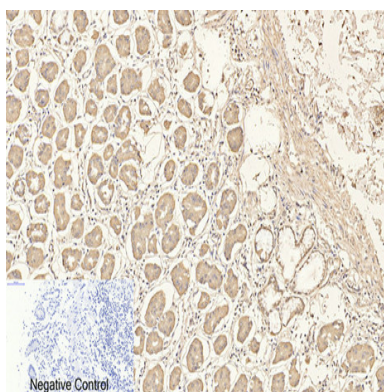


D4 with Ig-like structures), a transmembrane part and a short cytoplasmic tail. CD4 is expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages and dendritic cells, and plays an important role in the development and activation of T cells. On T cells, CD4 is the co-receptor for the T cell receptor (TCR), and these two distinct structures recognize the Antigen–Major Histocompatibility Complex (MHC).

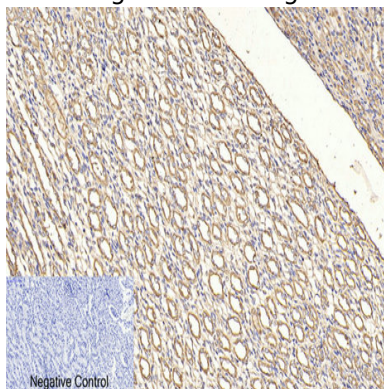
## Research Area

Immunology

## Image Data

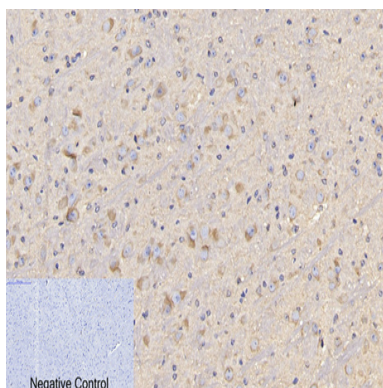


Immunohistochemistry analysis of paraffin-embedded Human stomach tissue using CD4 (7H9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.

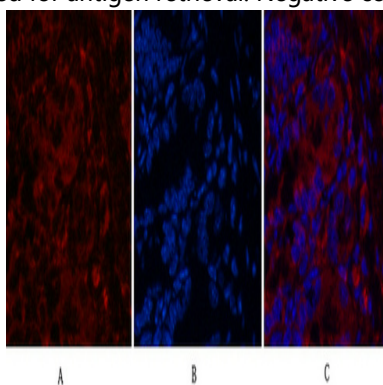


Immunohistochemical analysis of paraffin-embedded Human tonsils using CD4 (7H9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.

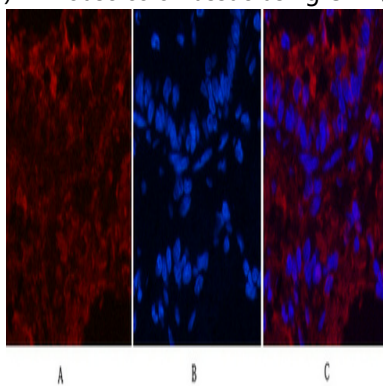
**Product Name: CD4 (7H9) Mouse Monoclonal Antibody**  
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Immunohistochemistry analysis of paraffin-embedded mouse brain tissue using CD4 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



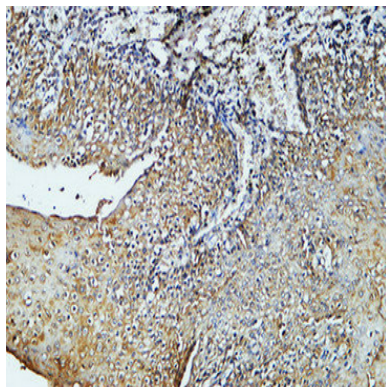
Immunofluorescence analysis of CD4 (7H9) in mouse colon tissue using CD4 (7H9) antibody(11A1)(red),and DAPI (blue).



Immunofluorescence analysis of CD4 (7H9) in rat lung using CD4 antibody(11A1)(red),and DAPI (blue).

**Product Name: CD4 (7H9) Mouse Monoclonal Antibody**  
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Immunohistochemistry analysis of paraffin-embedded Human Amygdala using CD4 (7H9) antibody. High-pressure and temperature Tris-EDTA pH 8.0 was used for antigen retrieval.

**Note**

For research use only.