
Summary

Production Name	CD4 (7H9) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	IHC-P
Reactivity	Human,Rat,Mouse

Performance

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

Immunogen

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

Application

Dilution Ratio	IHC: 1/50-1/100
Molecular Weight	-

Background

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

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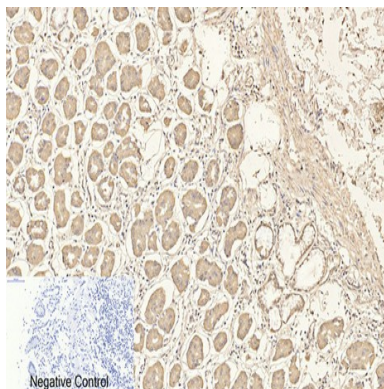


D4 with Ig-like structures), a transmembrane part and a short cytoplasmic tail. CD4 is expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages and dendritic cells, and plays an important role in the development and activation of T cells. On T cells, CD4 is the co-receptor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

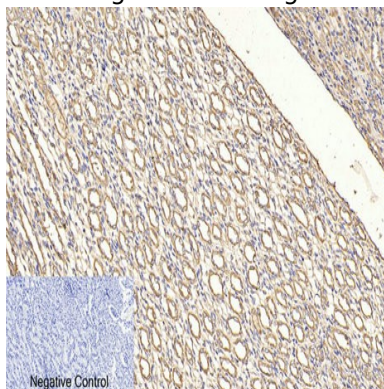
Research Area

Immunology

Image Data

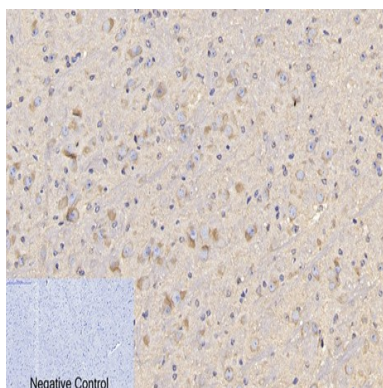


Immunohistochemistry analysis of paraffin-embedded Human stomach tissue using CD4 (7H9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.

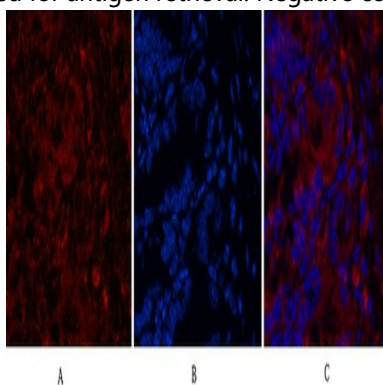


Immunohistochemical analysis of paraffin-embedded Human tonsils using CD4 (7H9) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.

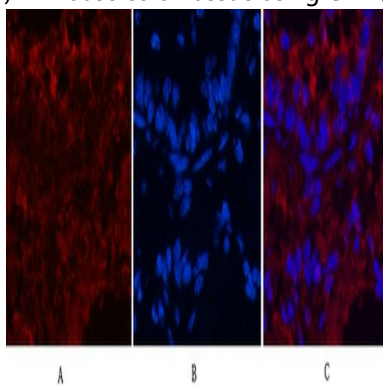
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Immunohistochemistry analysis of paraffin-embedded mouse brain tissue using CD4 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.

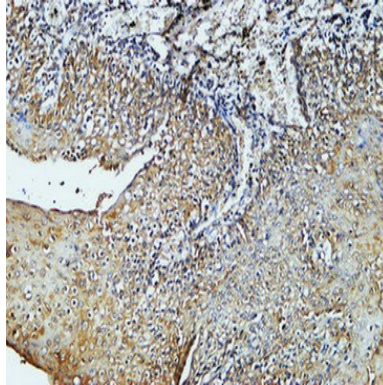


Immunofluorescence analysis of CD4 (7H9) in mouse colon tissue using CD4 (7H9) antibody(11A1)(red),and DAPI (blue).



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

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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.