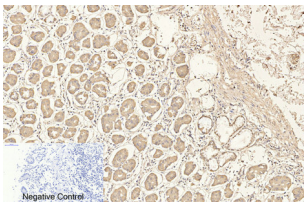
CD4 (7H9) Mouse mAb

db6525 **Package：50μL 100μL**

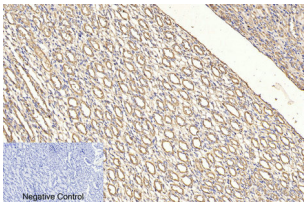
Product Name : CD4 (7H9) Mouse mAb
Cat.No.: db6525
Synonyms : CD4; T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; CD antigen CD4
Application : IHC-P
Reactivity : Human, Rat, Mouse
Host species : Mouse

Background	Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class II molecule/peptide complex. The antigens presented by class II peptides are derived from extracellular proteins while class I peptides are derived from cytosolic proteins. Interacts simultaneously with the T-cell receptor (TCR) and the MHC class II presented by antigen presenting cells (APCs). In turn, recruits the Src kinase LCK to the vicinity of the TCR-CD3 complex. LCK then initiates different intracellular signaling pathways by phosphorylating various substrates ultimately leading to lymphokine production, motility, adhesion and activation of T-helper cells. In other cells such as macrophages or NK cells, plays a role in differentiation/activation, cytokine expression and cell migration in a TCR/LCK-independent pathway. Participates in the development of T-helper cells in the thymus and triggers the differentiation of monocytes into functional mature macrophages.
Immunogen	Synthetic peptide conjugated to KLH
Gene ID	920
Swiss Prot	P01730
Synonyms	CD4; T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; CD antigen CD4
Reactivity	Human, Rat, Mouse
Application	IHC-P
Recommended dilution	IHC: 1:50-1:100
Host species	Mouse
Clonality	Monoclonal
Clonality No.	7H9-1H6-7C6
Isotype	IgG1

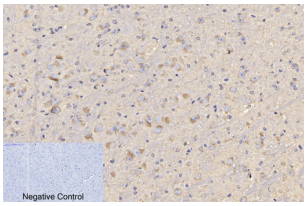
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



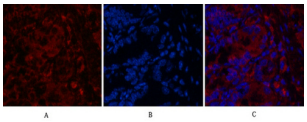
Immunohistochemistry analysis of paraffin-embedded Human stomach tissue using CD4 (7H9) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.Negative control was used by secondary antibody only.



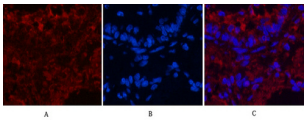
Immunohistochemical analysis of paraffin-embedded Human tonsils using CD4 (7H9) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.Negative control was used by secondary antibody only.



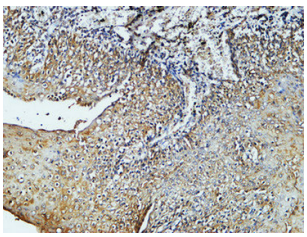
Immunohistochemistry analysis of paraffin-embedded mouse brain tissue using CD4 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



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).



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.