

## Anti-CD4 Polyclonal Antibody 2

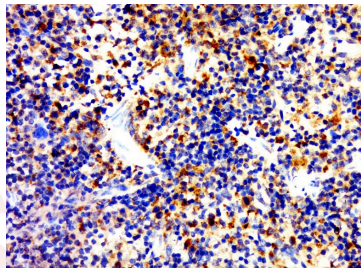
### Product Details

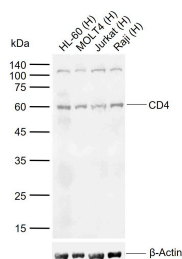
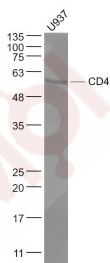
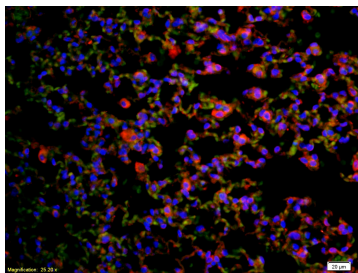
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 48 kDa. Actual: 60 kDa.
Purification:	Protein A purified

### Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CD4) Polyclonal Antibody, Unconjugated (TMAB-00363) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
2. Tissue/cell: rat lung tissue;4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-CD4 (mouse, rat) Polyclonal Antibody, Unconjugated (TMAB-00363) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C. DAPI (5 µg/ml,blue) was used to stain the cell nucleus.
3. Sample:  
U937 (Human) Cell Lysate at 30 µg  
Primary: Anti-CD4 (TMAB-00363) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 48 kDa  
Observed band size: 55 kDa
4. Sample:  
Lane 1: Human HL-60 cell lysates  
Lane 2: Human MOLT4 cell lysates  
Lane 3: Human Jurkat cell lysates  
Lane 4: Human Raji cell lysates  
Primary: Anti-CD4 (TMAB-00363) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 48 kDa  
Observed band size: 60 kDa

Verified Activity:





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: the middle of mouse CD4

Antigen Species: Mouse

Gene ID: 12504

Uniprot ID: P06332

Synonyms: L3T4;Ly-4;CD4 molecule

Biology Area: Regulatory T Cells,CD,HIV-related,T Lymphocytic Lineage,Dendritic Cell Lineage,Monocytic Lineage

### Research Background

This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, Aug 2010].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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