

Anti-CD4 Antibody (8N971)

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 48 kDa. Actual: 55 kDa.
Clone:	8N971
Purification:	Protein A purified

Applications

1. Blank control: Jurkat.
Primary Antibody (green line): Rabbit Anti-CD4 antibody (TMAB-00364)
Dilution: 1 µg/Test;
Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF488
Dilution: 0.5 µg/Test.
Isotype control (orange line): Normal Rabbit IgG
Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

2. Paraformaldehyde-fixed, paraffin embedded Human Prostate Tumor; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded Human Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

Verified Activity:

4. Paraformaldehyde-fixed, paraffin embedded Human Colon; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded Human Small Intestine; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.

6. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

7. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

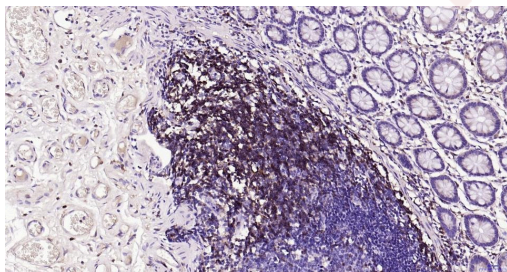
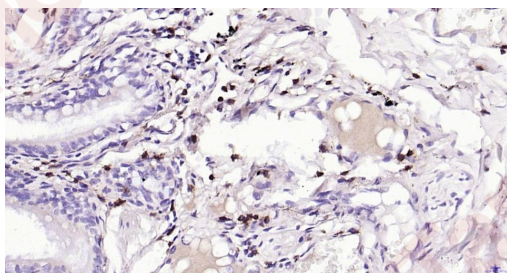
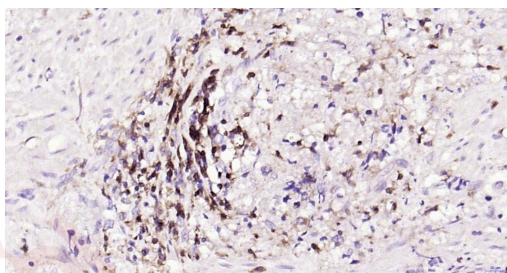
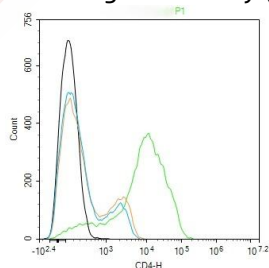
8. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody,

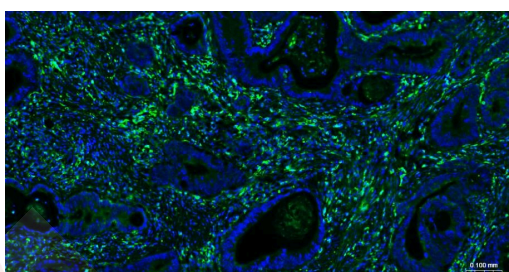
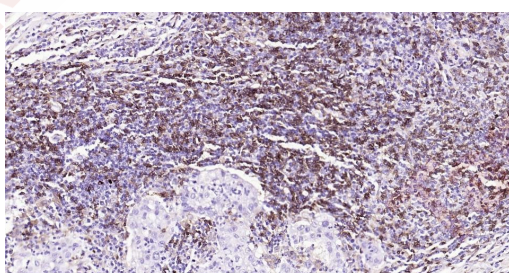
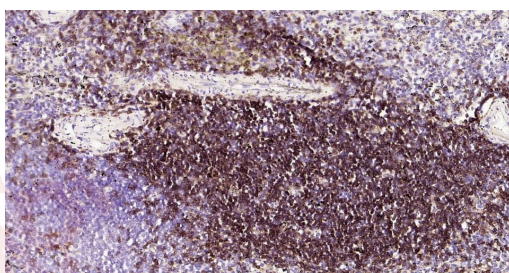
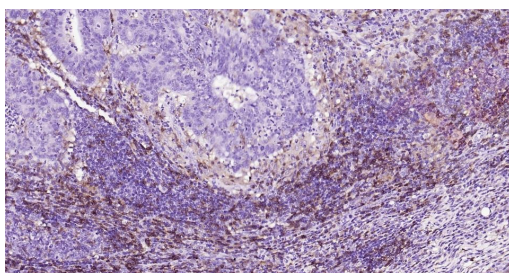
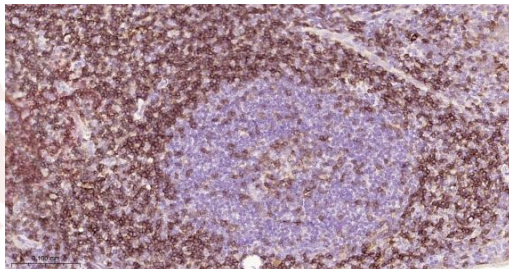
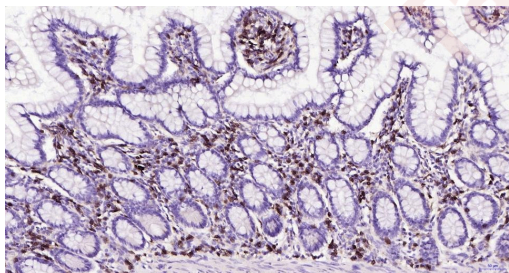
Unconjugated (TMAB-00364) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

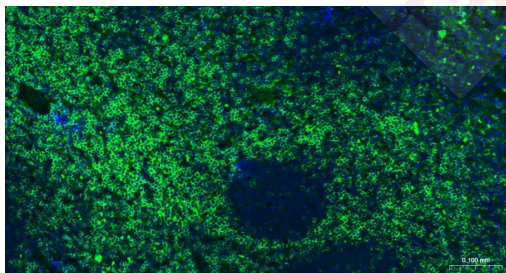
9. Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

10. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green), DAPI (blue) was used to stain the cell nucleus.

11. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD4 Monoclonal Antibody, Unconjugated (TMAB-00364) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green), DAPI (blue) was used to stain the cell nucleus.







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

Recommended FCM=1 µg/Test; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

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: A synthesized peptide: human CD4

Antigen Species: Human

Gene ID: 920

Uniprot ID: P01730

Synonyms: CD4 molecule;L3T4;Ly-4

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].

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