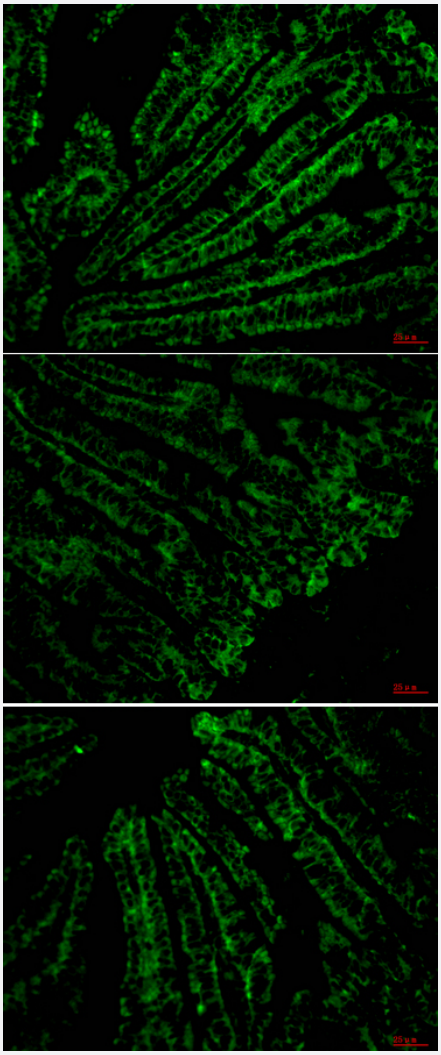
CD4 monoclonal antibody, clone 11A1

Catalog # MAB15251 Size 100 uL

Applications



Immunofluorescence

Immunofluorescence staining of mouse colonic tissue.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human CD4.
Immunogen	A synthetic peptide corresponding to N-terminus of human CD4.

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Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Affinity purification
Isotype	IgG1
Recommend Usage	Immunofluorescence Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.5% BSA, 0.02% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence

  Immunofluorescence staining of mouse colonic tissue.

Gene Info — CD4

Entrez GeneID	920
Protein Accession#	P01730
Gene Name	CD4
Gene Alias	CD4mut
Gene Description	CD4 molecule
Omim ID	186940
Gene Ontology	Hyperlink
Other Designations	CD4 antigen|CD4 antigen (p55)|CD4 receptor

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Publication Reference

- Bojungikki-Tang Augments Pembrolizumab Efficacy in Human PBMC-Injected H460 Tumor-Bearing Mice.

  Se Won Na, Jin-Mu Yi, Heerim Yeo, Sang-Min Park, Mibae Jeong, Jaemoo Chun, Mi-Kyung Jeong.

  Life (Basel, Switzerland) 2024 Sep; 14(10):1246.

  Application: IHC-p, Human, Lung

- Chronic colitis induces meninges traffic of gut-derived T cells, unbalances M1 and M2 microglia/macrophage and increases ischemic brain injury in mice.

  Feng Y, He X, Luo S, Chen X, Long S, Liang F, Shi T, Pei Z, Li Z.

  Brain Research 2019 Mar; 1707:8.

  Application: IF, Mouse, Brain

Pathway

- Antigen processing and presentation
- Cell adhesion molecules (CAMs)
- Hematopoietic cell lineage
- Primary immunodeficiency
- T cell receptor signaling pathway

Disease

- Acquired Immunodeficiency Syndrome
- Arthritis
- Asthma
- Breast cancer
- Breast Neoplasms
- Disease Progression
- Disease Susceptibility

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- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hematologic Diseases
- Hepatitis C
- HIV Infections
- Hodgkin Disease
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoproliferative Disorders
- Multiple Myeloma
- Multiple Sclerosis
- Neoplasm Recurrence
- Neoplasms
- Occupational Diseases
- Pregnancy Complications
- Pulmonary Disease
- Urinary Bladder Neoplasms
- Viremia
- Vitiligo
- Waldenstrom Macroglobulinemia
- Werner syndrome

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