

Mouse CD4 Monoclonal Antibody | anti-CD4 antibody

CD4 Monoclonal Antibody (11A1)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30811	Mouse	Human, Mouse, Rat	Immunohistochemistry, Immunofluorescence, Immunocytochemistry

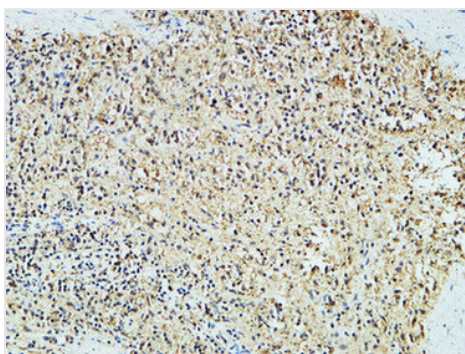
PRODUCT SYNONYMS

CD4; Monoclonal Antibody; CD4 Monoclonal Antibody (11A1); T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; anti-CD4 antibody

PRODUCT SPECIFICATIONS

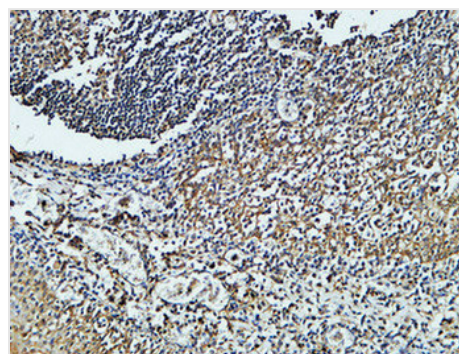
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	11A1
Specificity	The antibody detects endogenous CD4 proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Applicable Applications for anti-CD4 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	IHC: 1:200
Immunogen	Synthetic Peptide of CD4
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



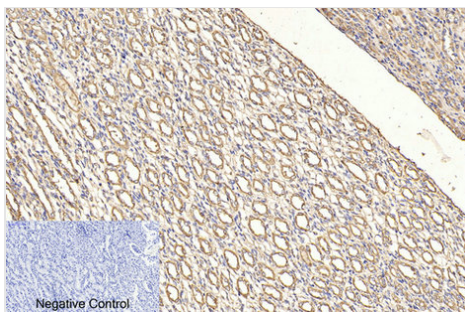
IF (Immunofluorescence)

Immunofluorescence analysis of Mouse-colon tissue. 1.CD4 Monoclonal Antibody(11A1)(red) was diluted at 1:200(4 degree C.overnight). 2. Cy3 labeled Secondary antibody was diluted at 1:300(room temperature. 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



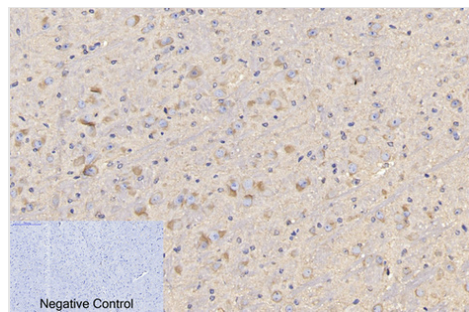
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1.CD4 Monoclonal Antibody(11A1) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



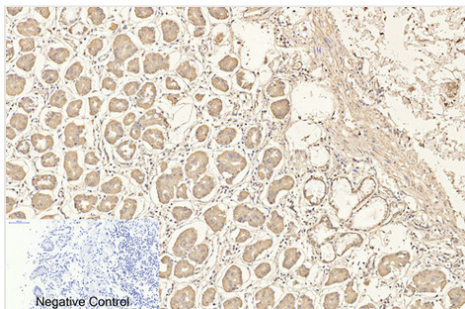
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Mouse-brain tissue. 1.CD4 Monoclonal Antibody(11A1) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



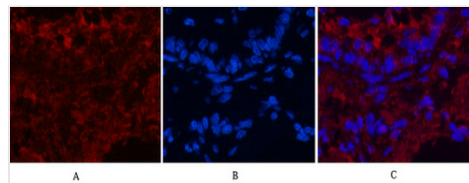
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human-stomach tissue. 1.CD4 Monoclonal Antibody(11A1) was diluted at 1:200(4 degree C.overnight). 2. Sodium citrate pH 6.0 was used for antibody retrieval(>98 degree C.20min). 3.Secondary antibody was diluted at 1:200(room temperature. 30min). Negative control was used by secondary antibody only.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human pancreas. 1. Antibody was diluted at 1:200(4 degree overnight). 2. High-pressure and temperature EDTA. pH8.0 was used for antigen retrieval. 3.Secondary antibody was diluted at 1:200(room temperature. 30min).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Human pancreas. 1. Antibody was diluted at 1:200(4 degree overnight). 2. High-pressure and temperature EDTA. pH8.0 was used for antigen retrieval. 3.Secondary antibody was diluted at 1:200(room temperature. 30min).

ADDITIONAL INFORMATION

Related Product Information for anti-CD4 antibody	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]
Product Categories/Family for anti-CD4 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835167
NCBI GeneID	920
NCBI Accession #	NP_000607.1
NCBI GenBank Nucleotide #	NM_000616.4
UniProt Accession #	P01730 ; Q4ZGK2 ; Q5U066 ; Q9UDE5 ; B2R737 ; D3DUS5
Molecular Weight	51,111 Da
NCBI Official Full Name	T-cell surface glycoprotein CD4 isoform 1
NCBI Official Synonym Full Names	CD4 molecule
NCBI Official Symbol	CD4

NCBI Official Synonym Symbols	CD4mut
NCBI Protein Information	T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3
UniProt Protein Name	T-cell surface glycoprotein CD4
UniProt Gene Name	CD4
UniProt Entry Name	CD4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd4-antibody-clone-11a1-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/30811>