

# Rabbit anti-Human, Mouse CD4 Monoclonal Antibody | anti-Cd4 antibody

CD4 Rabbit PolymAb

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                       |
|-----------|--------|--------------|------------------------------------------------------------------------------------|
| AAA283068 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

## PRODUCT SYNONYMS

CD4; Monoclonal Antibody; CD4 Rabbit PolymAb; L3T4; Ly-4; anti-Cd4 antibody

## PRODUCT SPECIFICATIONS

|                                               |                                                                                                          |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                   |
| Reactivity                                    | Human, Mouse                                                                                             |
| Clonality                                     | Monoclonal                                                                                               |
| Isotype                                       | IgG                                                                                                      |
| Purity/Purification                           | Affinity purification                                                                                    |
| Form/Format                                   | PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.                                               |
| Applicable Applications for anti-Cd4 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                     | Recombinant protein of CD4 (P01730).                                                                     |
| Preparation and Storage                       | Store at -20 degree C. Avoid freeze/thaw cycles.                                                         |

## IMAGES



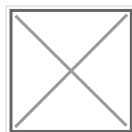
### ICC (Immunocytochemistry)

Confocal imaging of paraffin-embedded Mouse spleen tissue using CD4 Rabbit PolymAb® (AAA283068, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



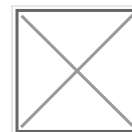
### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using CD4 Rabbit PolymAb® (AAA283068) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using CD4 Rabbit PolymAb® (AAA283068) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



### WB (Western Blot)

Western blot analysis of lysates from THP-1 cells using CD4 Rabbit PolymAb® (AAA283068) at 1:1000 dilution incubated overnight at 4°. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-Cd4 antibody | Predicted to enable several functions, including interleukin-16 binding activity; interleukin-16 receptor activity; and protein homodimerization activity. Involved in helper T cell enhancement of adaptive immune response. Acts upstream of or within several processes, including defense response to Gram-negative bacterium; positive regulation of calcium-mediated signaling; and positive regulation of peptidyl-tyrosine phosphorylation. Located in endoplasmic reticulum; external side of plasma membrane; and membrane raft. Is expressed in several structures, including alimentary system; brain; genitourinary system; hemolymphoid system; and liver and biliary system. Used to study type 1 diabetes mellitus. Human ortholog(s) of this gene implicated in immunodeficiency 79. Orthologous to human CD4 (CD4 molecule). |
| Product Categories/Family for anti-Cd4 antibody   | Immunology Adaptive Immunity T Cells CDStem Cells Hematopoietic Progenitors Lymphoid T Lymphocytic LineageStem Cells Hematopoietic Progenitors Myeloid Dendritic Cell LineageStem Cells Hematopoietic Progenitors Myeloid Monocytic LineageImmunology Adaptive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                           |                                            |
|---------------------------|--------------------------------------------|
| NCBI GI #                 | 7304953                                    |
| NCBI GeneID               | 12504                                      |
| NCBI Accession #          | NP_038516.1                                |
| NCBI GenBank Nucleotide # | NM_013488.2                                |
| UniProt Accession #       | P06332                                     |
| Molecular Weight          | Calculated MW: 51kDa<br>Observed MW: 55kDa |
| UniProt Protein Name      | T-cell surface glycoprotein CD4            |
| UniProt Gene Name         | Cd4                                        |
| UniProt Entry Name        | CD4_MOUSE                                  |

**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-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283068>