

Datasheet for ABIN3022125
anti-CD4 antibody (AA 300-400)

5 Images

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Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | CD4 |
| Binding Specificity: | AA 300-400 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CD4 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF) |

Product Details

| | |
|-------------------|--|
| Immunogen: | A synthetic peptide corresponding to a sequence within amino acids 300-400 of human CD4 (NP_000607.1). |
| Sequence: | ALEAKTGKLH QEVNLVVMRA TQLQKNLTCE VWGPTSPKLM LSLKLENKEA KVSKREKAVW VLNPEAGMWQ CLLSDSGQVL LESNIKVLPT WSTPVQPMAL I |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

Target Details

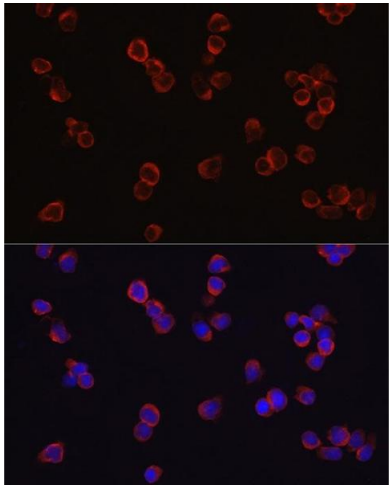
| | |
|-------------------|--|
| Target: | CD4 |
| Alternative Name: | CD4 (CD4 Products) |
| Background: | <p>This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. 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.,CD4,CD4mut,Immunology & Inflammation,CD markers,T Cell Receptor Signaling Pathway,Stem Cells,Hematopoietic Progenitors,CD4</p> |
| Molecular Weight: | 51 kDa |
| Gene ID: | 920 |
| UniProt: | P01730 |
| Pathways: | TCR Signaling , Maintenance of Protein Location , CXCR4-mediated Signaling Events |

Application Details

| | |
|--------------------|-----------------------------------|
| Application Notes: | WB,1:500 - 1:1000,IF,1:50 - 1:200 |
| Restrictions: | For Research Use only |

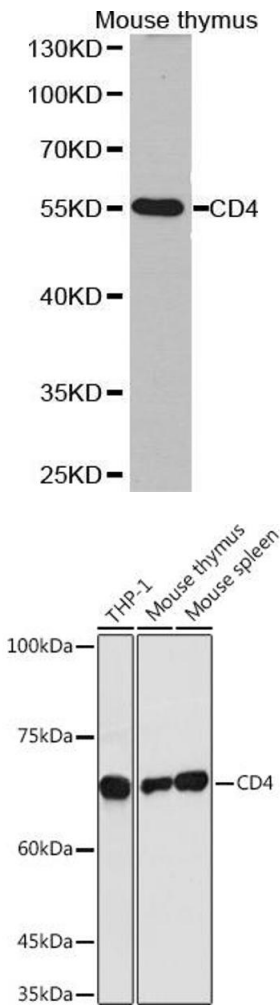
Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid freeze / thaw cycles |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |



Immunofluorescence

Image 1. Immunofluorescence analysis of Jurkat cells using CD4 Rabbit pAb (ABIN3022124, ABIN3022125, ABIN3022126 and ABIN6218611) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2.

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using CD4 antibody (ABIN3022124, ABIN3022125, ABIN3022126 and ABIN6218611) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022125.