Datasheet for ABIN6138186
**anti-CD4 antibody (AA 26-200)**

### Overview

**Quantity:** 100 μL  
**Target:** CD4  
**Binding Specificity:** AA 26-200  
**Reactivity:** Human  
**Host:** Rabbit  
**Clonality:** Polyclonal  
**Conjugate:** This CD4 antibody is un-conjugated  
**Application:** Western Blotting (WB), Immunofluorescence (IF)

### Product Details

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 26-200 of human CD4 (NP_000607.1).  
**Sequence:** KKVVLGKKGD TVELTCTASQ KKSIQFHWN SNQIKILGNQ GSFLTKGPKS LNDRADSRRS LWDQGNFPLI IKNLKIEDSD TYICEVEDQK EEVQLLVFGL TANSDTLLLQ GQSLTLTLES PPGSSPSVQC RSPRGKNIQG GKTLSVSQLE LQDSGTWTCT VLQNQKKEF KIDIV  
**Isotype:** IgG  
**Cross-Reactivity:** Human, Mouse, Rat  
**Characteristics:** Polyclonal Antibodies  
**Purification:** Affinity purification
Target Details

Target: CD4

Alternative Name: CD4 (CD4 Products)

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.,CD4,CD4mut,Immunology & Inflammation,CD markers,T Cell Receptor Signaling Pathway,Stem Cells,Hematopoietic Progenitors,CD4

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 - 1:2000,IF,1:50 - 1:200

Comment: HIGH QUALITY

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.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.
**Immunofluorescence**

**Image 1.** Immunofluorescence analysis of Jurkat cells using CD4 antibody (ABIN6132069, ABIN6138186, ABIN6138188 and ABIN6213820) at dilution of 1:100. Blue: DAPI for nuclear staining.

**Western Blotting**

**Image 2.** Western blot analysis of extracts of U-937 cells, using CD4 antibody (ABIN6132069, ABIN6138186, ABIN6138188 and ABIN6213820) at 1:500 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.

**Immunofluorescence**

**Image 3.** Immunofluorescence analysis of Mouse thymus using CD4 antibody (ABIN6132069, ABIN6138186, ABIN6138188 and ABIN6213820) at dilution of 1:100. Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 4 images are available for ABIN6138186.