

Anti-CD4 Antibody

0108-6



Product Type:	Rabbit polyclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IF-Cell, FC
Molecular Wt:	Predicted band size: 51 kDa

Description: The CD4 gene encodes the T4 antigen, a glycoprotein of approximately 55 kDa, expressed on the surface of helper T lymphocytes. CD4 antigens are members of the immunoglobulin supergene family and are implicated as associative recognition elements in major histocompatibility complex class II-restricted immune responses. On T-lymphocytes they define the helper/inducer subset. CD4 antigens also serve as interleukin-15 receptors and bind to the HIV receptors, binding directly to the HIV envelope protein GP120.

Immunogen: Synthetic peptide within mouse CD4 aa 195-244 / 457.

Positive control: Mouse brain tissue, LOVO, Raji.

Subcellular location: Cell membrane.

Database links: SwissProt: P01730 Human | P06332 Mouse | P05540 Rat

Recommended Dilutions:

WB	1:500-1:1,000
IF-Cell	1:50-1:200
FC	1:50-1:100

Storage Buffer: 1*PBS (pH7.4), 0.2% BSA, 25% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

Purity: Immunogen affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

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Images

Fig1: Western blot analysis of CD4 on different lysates with Rabbit anti-CD4 antibody (0108-6) at 1/1,000 dilution.

Lane 1: THP-1-si NT cell lysate
Lane 2: THP-1-si CD4 cell lysate

Lysates/proteins at 10 µg/Lane.

Predicted band size: 51 kDa
Observed band size: 51 kDa

Exposure time: 43 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (0108-6) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

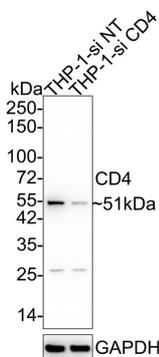


Fig2: Western blot analysis of CD4 on mouse brain lysate using anti-CD4 antibody at 1/500 dilution.

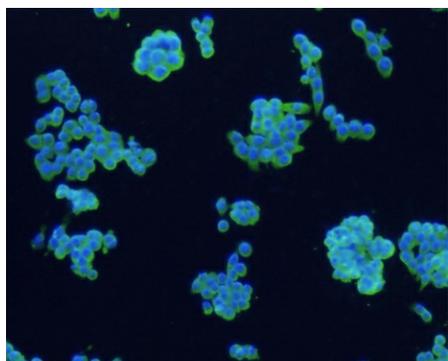


Fig3: ICC staining CD4 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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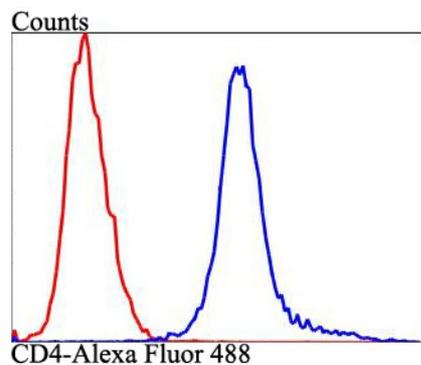


Fig4: Flow cytometric analysis of Raji cells with CD4 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

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