



Catalog: OM626538

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CD4

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☐ 100 µl

Product profile

Product name	CD4
Antibody Type	Primary Antibodies
Product 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	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to mouse CD4 aa 200-250.

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,ICC ,FC
Species Reactivity	Human Mouse Rat
Concentration	1 mg/mL.

Target Information

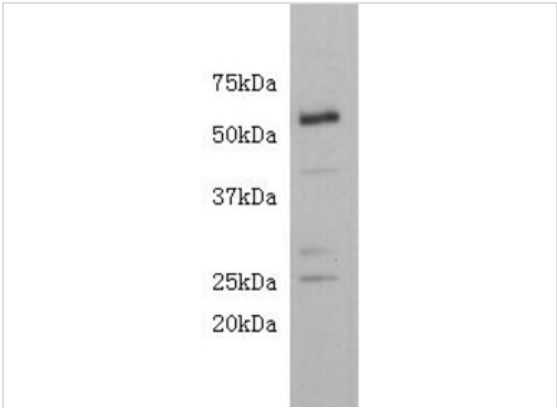
Alternative Names	CD 4 antibody CD4 (L3T4) antibody CD4 antibody CD4 antigen (p55) antibody CD4 antigen antibody CD4 molecule antibody CD4 receptor antibody CD4+ Lymphocyte deficiency, included antibody CD4_HUMAN antibody CD4mut antibody L3T4 antibody Leu3 antibody Ly-4 antibody Lymphocyte antigen CD4 antibody MGC165891 antibody OTTHUMP00000238897 antibody p55 antibody T cell antigen T4 antibody T cell antigen T4/LEU3 antibody T cell differentiation antigen L3T4 antibody T cell OKT4 deficiency, included antibody T cell surface antigen T4/Leu 3 antibody T cell surface antigen T4/Leu3 antibody T cell surface glycoprotein CD4 antibody T-cell surface antigen T4/Leu-3 antibody T-cell surface glycoprotein CD4 antibody W3/25 antibody W3/25 antigen antibody
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Molecular Weight(MW)	51kDa
Cellular Localization	Cell Membrane

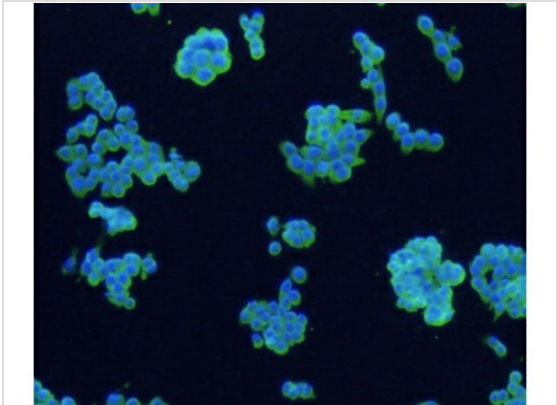
Database Links

SwissProt ID	P01730
	P06332
	P05540

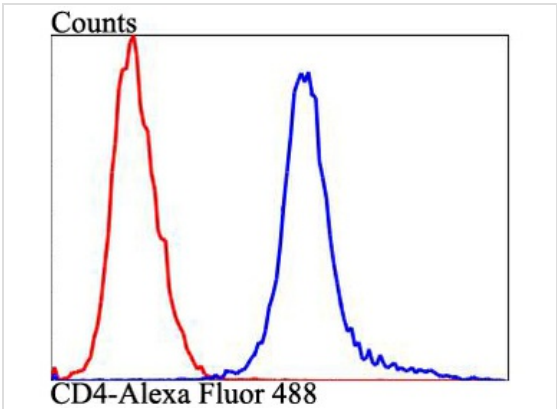
Application



Application
Fig1: Western blot analysis of CD4 on mouse brain lysate using anti-CD4 antibody at 1/500 dilution.



Application
Fig2: 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.



Application
Fig3: 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.

Positive Control	Mouse brain tissue, LOVO, Raji.
Application Notes	WB:1:500 ICC

Additional Information

Form	Liquid
Storage Instructions	Store at +4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.
Storage Buffer	1*TBS (pH7.4), 1%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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