



CD4 Antibody

E80108-6

- Product Type:** Rabbit Polyclonal IgG, primary antibodies
- Catalog Number:** E80108-6
- Amount:** 100ul 0.5mg/ml
- Positive control:** Mouse Brain
- Molecular Wt.:** 55kDa
- Cellular Localization:** Cell Membrane
- Form of Antibody:** Liquid
- Storage Buffer:** 1*TBS (pH7.4), 0.5%BSA, 25%Glycerol. Preservative: 0.05% Sodium Azide.
- 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.
- Storage/Stability:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
- Recommended Dilutions:** WB: 1:500
- Purity:** Affinity purified
- Specificity/Sensitivity:** This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to the residues of mouse CD4 antigen.
- Reactivity:** Mouse,Rat
- Applications:** WB ,ICC
- Swiss-Prot No. :** SwissProt P06332 (mouse)
- References:**
1. [Parnes J.R., Hunkapiller T.](#); "L3T4 and the immunoglobulin gene superfamily: new relationships between the immune system and the nervous system."; Immunol. Rev. 100:109-127(1987).
 2. [Gorman S.D., Tourvieille B., Parnes J.R.](#); "Structure of the mouse gene encoding CD4 and an unusual transcript in brain."; [Proc. Natl. Acad. Sci. U.S.A.](#) 84:7644-7648(1987).
 3. Rudd CE. CD4, CD8 and the TCR-CD3 complex: a novel class of protein-tyrosine kinase receptor. Immunol Today, 1990, 11 (11) :400-406.

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75kDa
50kDa
37kDa
25kDa
20kDa



Fig: Western blot analysis on mouse brain using anti-CD4 polyclonal antibody.