

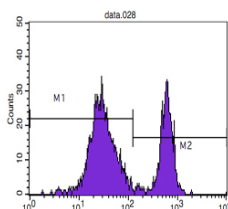
CD4 Ab

Cat.#: BF0174
Size: 50ul,100ul,200ul

Concn.: 1mg/ml
Source: Mouse

Mol.Wt.: 51kDa
Clonality: Monoclonal

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|-------------------------------|--|
| Application: | ELISA 1/10000 IF 1/200 |
| Reactivity: | Human |
| Purification: | Affinity-chromatography. |
| Specificity: | CD4 Ab detects endogenous levels of total CD4. |
| Immunogen: | Purified recombinant fragment of human CD4 expressed in E. Coli. |
| Uniprot: | P01730 |
| Subcellular Location: | Cell membrane. Localizes to lipid rafts. Removed from plasma membrane by HIV-1 Nef protein that increases clathrin-dependent endocytosis of this antigen to target it to lysosomal degradation. Cell surface expression is also down-modulated by HIV-1 Envelope polyprotein gp160 that interacts with, and sequesters CD4 in the endoplasmic reticulum. |
| Tissue Specificity: | Highly expressed in T-helper cells. The presence of CD4 is a hallmark of T-helper cells which are specialized in the activation and growth of cytotoxic T-cells, regulation of B cells, or activation of phagocytes. CD4 is also present in other immune cells such as macrophages, dendritic cells or NK cells. |
| Storage Condition and Buffer: | Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt. |



CD4, T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4 precursor

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking,



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