For research purposes only, not for human use

Product Data Sheet

Anti-CD4 Antibody-Biotin labled

Catalog #	Source	Reactivity	Applications
CPA8308	Mouse	H	IF, FC

Description	Mouse monoclonal antibody to CD4 (Biotin)
Purification	The antibody was purified by affinity chromatography.
Specificity	Recognises human CD4.
Clonality	Monoclonal
Conjugation	Biotin
Form	IgG2b. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Gene Symbol	CD4
Alternative Names	T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; CD antigen CD4
Entrez Gene	920 (Human)
SwissProt	P01730 (Human)
Storage/Stability	Shipped and store at 4°C for one year. Do not freeze.
Directions for Use	1. Take 100 ul peripheral blood anticoagulated by EDTA and add to the bottom of 5 ml tube. 2. Add 10 ul labeled antibody to the bottom of flow tube mixing with the whole blood; incubate for 30 minutes at room temperature. 3. Add 2 ml RBC lysis buffer; incubate for 10 minutes after mixing; dissolve red blood cells. 4. Sample tube is set to 1000 rpm centrifugation for 5 minutes; discard the supernatant. 5. Add 2 ml PBS wash buffer to resuspend the cells; then 1000 rpm centrifugation for 5 minutes; discard the supernatant.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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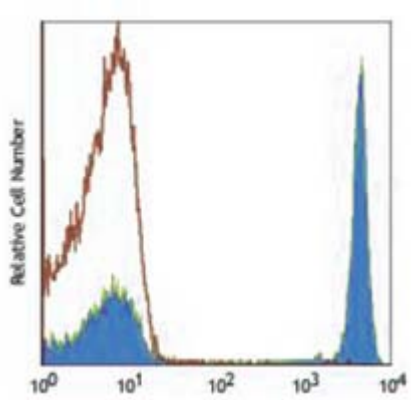
6. Add appropriate amount of fluorescent-labeled Streptavidin and incubate for 20 minutes away from light at room temperature.

7. Add 2 ml PBS wash buffer to resuspend the cells; then 1000 rpm centrifugation for 5 minutes; discard the supernatant.

8. Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 °C then measured).



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD4 Antibody-Biotin labled, followed by Streptavidin PE.