

APC anti-human CD25

Catalog No. Size

| | |
|------------|-----------|
| FHA025-100 | 100 Tests |
| FHA025-025 | 25 Tests |

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|---------------------------|---|
| Storage Condition: | Store at 4°C.DO NOT FREEZE. LIGHT SENSITIVE MATERIAL. |
| Clone: | 4A7G7B6 |
| Isotype: | Mouse IgG2a |
| Reactivity: | Human |
| Vol.per.Test: | 10μl/Test |
| Storage Buffer: | Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.2% (w/v) BSA |
| Applications: | FC |

DESCRIPTION:

CD25 is a 55 kD type I transmembrane glycoprotein also known as the low affinity IL-2 receptor α chain or Tac. It is expressed on progenitor lymphocytes, activated T and B cells, and activated monocytes/macrophages. CD25 is also expressed on a subset of non-stimulated CD4+ T cells termed T regulatory cells. CD25 associates with the IL-2 receptor β (CD122) and common γ chains (CD132) to form the high affinity IL-2R complex.

EXPERIMENTAL METHODS:

(The following is a general protocol, optimization is required for best results of your experiment. Please contact us by email or by phone for further technical support.)

1. Take 100μl peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube;
2. Add 10μl labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light;
3. Add 2 ml 1×RBC lysis buffer, incubate for 10 minutes away from light after mixing,dissolve red blood cells (recommended: RBC lysing Solution 10×,Cat.: FXP001);
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;
6. 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).
[PBS wash buffer: PBS +1% FBS +0.1% NaN₃; Cat.: FXP005]
[Cell fixation: 2% formaldehyde solution]

NOTICES:

1. This reagent has been pre-diluted for use at the recommended Volume per Test;
2. We typically use 1×10^6 cells in a 100 μ l experimental sample (a test);
3. Since applications vary, each investigator should titrate the reagent to obtain optimal results;
4. **Caution:** Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing;
5. If the sample can not be timely analysis, please fixed;
6. **For research use only, not for diagnostic or therapeutic use.**

REFERENCES:

1. Kishimoto, T. et al. (1998). Leucocyte Typing VI: White Cell Differentiation Antigens. Garland Publishing, Inc. London.
2. Robb RJ. et al. (1984). J. Exp. Med 160:1126.
3. Greene WC and Leonard WJ et al. (1986). Annu. Rev. Immunol. 4:69.
4. Ng WF et al. (2001). Leukemia 98: 2736.

RELATED PRODUCTS:

| Catalog No. | Product Name | Applications |
|-------------|----------------------------------|--------------|
| FHB0251 | Biotin anti-human CD25 | FC |
| FHU0251 | Purified anti-human CD25 | FC |
| FHC0251 | PE-Cy5 anti-human CD25 | FC |
| FHF0251 | FITC anti-human CD25 | FC |
| FHP0251 | PE anti-human CD25 | FC |
| FHG025 | Alexa Fluor® 488 anti-human CD25 | FC |
| FHI025 | Alexa Fluor® 700 anti-human CD25 | FC |
| FHK025 | Alexa Fluor® 647 anti-human CD25 | FC |
| FHO025 | APC-Cy7 anti-human CD25 | FC |
| FHN025 | PE/Cy7 anti-human CD25 Antibody | FC |
| FHR025 | PerCP anti-human CD25 | FC |
| FHS025 | PerCP-Cy5.5 anti-human CD25 | FC |
| FHN025 | PE-Cy7 anti-human CD25 | FC |