Mouse anti-Human CD25, Purified mAb

E16HU0251

Catalog Number: E16HU0251-100 ,E16HU0251-500

Amount: 100 Tests, 500 Tests

Form of Antibody: Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide

Storage/Stability: Store at 4°C.DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.

Description: 4A7G7B6 reacts with CD25 antigen, a chain of low-affinity interleukin-2 receptor (IL-2Ra), which is expressed on activated cells including T, B, NK cells and monocytes. The antigen also prsent on subset of thymocytes, HTLV-1 transformed T cell lines, EBV transformed B cells, myeloid precursors and oligodendrocytes. The high affinity IL-2 receptor is formed by the noncovalent association of of a (55 kDa, CD25), b (75 kDa , CD122), and g subunit (70 kDa, CD132). The interaction of IL-2 with IL-2R induces the activation and proliferation of T, B , NK cells and macrophages. CD4+/CD25+ cells might directly regulate the function of responsive T cells.

Isotype: Mouse IgG2a

Clone : 4A7G7B6

Reactivity: Human,Not yet tested in other species.

Applications: FCM IF

Experimental Methods:
1.Take 100μl peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube;
2.Add appropriate amount of antibody to the bottom of flow tube mixing with the whole blood, incubate for 30 minutes at room temperature;
3.Add 2 ml1×RBC lysis buffer, incubate for 10 minutes 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 appropriate amount of fluorescent-labeled anti-mouse IgGs and incubate for 20 minutes away from light at room temperature.
7.Repeat step 5.
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 ℃ then measured).
[PBS wash buffer: PBS +1% FBS +0.1% NaN3; Cat.: FXP005]
[Cell fixation: 2% formaldehyde solution]

Notices:
1.Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2.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;
3.If the sample can not be timely analysis, please fixed;
4.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 WFet al. (2001). Leukemia 98: 2736.

Related products:
E16HF0251 Mouse Anti-Human CD25，FITC Conjugated mAb FCM IF
E16HP0251 Mouse Anti-Human CD25, PE Conjugated mAbFCM IF
E16HC0251 Mouse Anti-Human CD25，PE-Cy5 Conjugated mAb FCM IF

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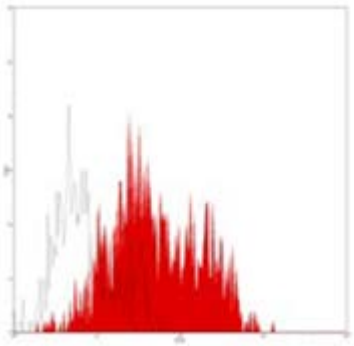
Profile of PHA-activated lymphocytes analyzed by flow cytometry, PE labeled goat anti-mouse IgG as secondary antibody staining.



PHA-activated lymphocytes analyzed with Purified CD25 mAb, followed by anti-mouse IgGs-PE