Mouse anti-Human CD45, Purified mAb

E16HU045

Catalog Number: E16HU045-100 , E16HU045-500

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: 4A9.4 reacts with CD45, a 180-220 kDa leukocyte common antigen (LCA). CD45 antigen is expressed at high levels on all hematopoietic cells including T and B lymphocytes, monocytes, granulocytes, NK cells and dendritic cells, but is not expressed on non-hematopoietic cells. CD45 antibody has also been reported to react weakly with mature blood erythrocytes and platelets. CD45 is a protein tyrosine phosphatase receptor that is critically important for T and B cell antigen receptor-mediated activation.*Target of immunosuppresive antibody treatment.

Isotype: Mouse IgG2a

Clone : 4A9.4

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.Knapp, W et al., eds. (1989) Leucocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, New York.
2.Trowbridge, IS and Thomas, ML. (1993) Annu. Rev. Immunol. 12:85.
3.Pulido, R et al., (1988) J. Immunol. 140:3851.
4.Roach, T et al., (1997) Curr. Biol. 7:408.

Related products:

E16HF045	Mouse Anti-Human CD45，FITC Conjugated mAb	FCM IF
E16HP045	Mouse Anti-Human CD45, PE Conjugated mAb	FCM IF
E16HC045	Mouse Anti-Human CD45，PE-Cy5 Conjugated mAb	FCM IF
E16HA045	Mouse Anti-Human CD45, APC Conjugated mAb	FCM IF
E16HB045	Mouse Anti-Human CD45, Biotin Conjugated mAb	FCM IF

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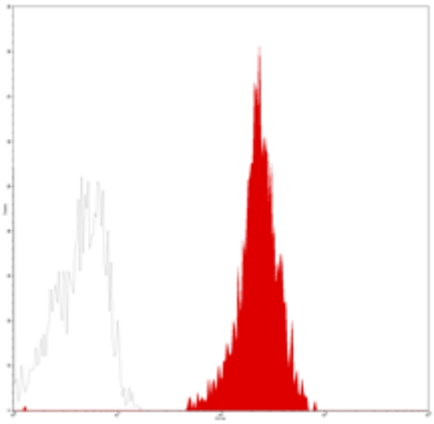
Profile of peripheral blood lymphocytes analyzed by flow cytometry, PE labeled goat anti-mouse IgG as secondary antibody staining.



Human peripheral blood lymphocytes analyzed with Purified CD45 mAb, followed by anti-mouse IgGs-PE