



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.
Background:	4ABCAB20 reacts with human CD20 (B1), 37/35 kDa protein, which is expressed on pre-B cells and mature B cells but not on plasma cells. The CD20 antigen can also be detected at low levels on a subset of peripheral blood T-cells. CD20 regulates B-cell activation and proliferation by regulating transmembrane Ca++ conductance and cell-cycle progression. This clone is cross reactive with non-human primate. * CD20 antibody has been used for lymphoma diagnosis and therapy.
Isotype:	Mouse IgG2a
Clone Number:	4ABCAB20
Reactivity:	Human, Not yet tested in other species.
Applications:	FCM IF
	<ol style="list-style-type: none">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

Experimental Methods:	<p>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]</p>
Notices:	<p>1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1 X 10⁶ cells in a 100 µl experimental sample (a test); 2. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 3. 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; 4. If the sample can not be timely analysis, please fixed; 5. For research use only, not for diagnostic or therapeutic use.</p>
References:	<p>1. Ling NR et al., eds. (1987) Leucocyte Typing III: White Cell Differentiation Antigens, Oxford University Press, New York. 303-334 2. Hultin LE et al., (1993) Cytometry 14:196-204. 3. Deans JP (2002) Immunology 107:176-182</p>
	<p>E16HU020 Mouse Anti-Human CD20, Purified mAb FCM IF E16HP020 Mouse Anti-Human CD20, PE Conjugated mAb FCM IF E16HC020 Mouse Anti-Human CD20, PE-Cy5 Conjugated mAb</p>

Related products:	FCM IF E16HA020 Mouse Anti-Human CD20, APC Conjugated mAb FCM IF Profile of peripheral blood lymphocytes analyzed by flow cytometry
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	Human peripheral blood lymphocytes analyzed with FITC CD20 mAb