

Datasheet for ABIN2144821
anti-CD21 antibody (PE)



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1 Image

Overview

Quantity:	25 tests
Target:	CD21 (CR2)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD21 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Clone:	4ABU32
Isotype:	IgG1
Characteristics:	4ABU32 reacts with CD21 protein, a 145 kDa receptor for C3d complement fragment and for Epstein-Barr virus (EBV), expressed on all mature B lymphocytes from slg+ stage, then lost upon activation. It also present on follicular dendritic cells and some epithelia cells. It is reported CD21 weakly expressed on the subset of mature T -cells. CD21 plays a role in B cell activation and proliferation and is part of a large signal-transduction complex containing CD19, CD81and other molecules as regulator of complement activation.This clone is cross reactive with non-human primate .*CD21 is a phenotyping marker of lymphoma.

Target Details

Target:	CD21 (CR2)
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Target Details

Alternative Name: CD21 (CR2 Products)

Pathways: Complement System

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Assay Procedure:

- Take 100 µL peripheral blood anticoagulated by EDTA and add to the bottom of 5 mL tube,
- Add 10 µL labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light,
- 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),
- Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant,
- Add 2 mL PBS wash buffer to resuspend the cells, then 1000 rpm centrifugation for 5 minutes, discard the supernatant,
- 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]

Restrictions: For Research Use only

Handling

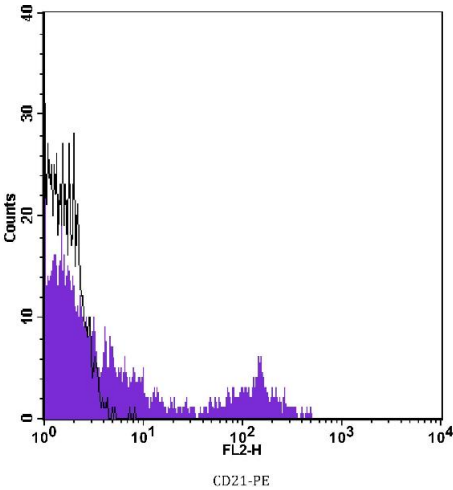
Format: Liquid

Buffer: Phosphate-buffered solution, pH 7.4, containing and 0.2 % (w/v) BSA

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C



Flow Cytometry

Image 1.