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## Datasheet for ABIN2144916 **anti-CD53 antibody (PE)**

### 1 Image

#### Overview

Quantity:	50 tests
Target:	CD53
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD53 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

#### Product Details

Clone:	4AC53-2
Isotype:	IgG2a
Characteristics:	4AC53-2 monoclonal antibody reacts CD53, a 32-42 kDa molecule, which is expressed on thymocytes, T cells, B cells, NK cells, monocytes and granulocytes, but is not present on red blood cells, platelets and non-hematopoietic cells. CD53 cross-linking promotes activation of human B cells and rat macrophages, as well as signal transduction. This clone is cross reactive with non-human primate.

#### Target Details

Target:	CD53
Alternative Name:	CD53 ( <a href="#">CD53 Products</a> )

## Application Details

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

Assay Procedure:

- Take 100  $\mu$ L peripheral blood anticoagulated by EDTA and add to the bottom of 5 mL tube,
- Add 10  $\mu$ L 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 $\times$ RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10 $\times$ , 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  $^{\circ}$ C then measured).
- [PBS wash buffer: PBS + 1 % FBS + 0.1 % NaN<sub>3</sub>, Cat.: FXP005]
- [Cell fixation: 2 % formaldehyde solution]

Restrictions: For Research Use only

## Handling

Format: Liquid

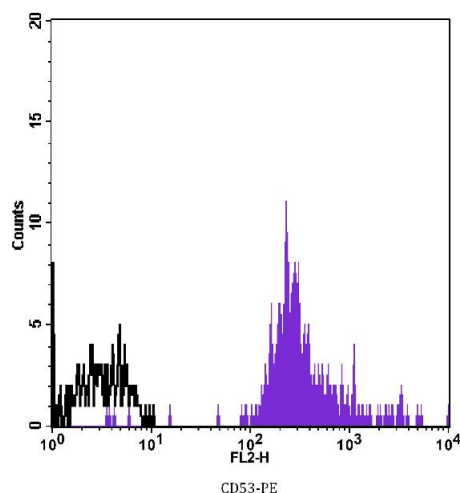
Buffer: Phosphate-buffered solution, pH 7.4, containing and 0.2 % (w/v) BSA

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  $^{\circ}$ C

## Images



### Flow Cytometry

#### Image 1.