



Datasheet for ABIN2144649  
**anti-CD57 antibody (FITC)**



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1 Image

Overview

Quantity:	50 tests
Target:	CD57 (B3GAT1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD57 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Functional Studies (Func)

Product Details

Clone:	4AHNK-1
Isotype:	IgM
Characteristics:	4AHNK-1 reacts with HNK1 Molecule, a 110 kDa carbohydrate antigen associated with myelin-associated glycoprotein. CD57 expressed on 7-35 % of normal peripheral blood lymphocytes including a subset of naturel killer cells, a subset of CD8+ peripheral blood suppressor / cytotoxic T cells, and on some neural tissues. HNK is not expression on granulocytes, platelets, red blood cells and thymocytes.

Target Details

Target:	CD57 (B3GAT1)
Alternative Name:	CD57 ( <a href="#">B3GAT1 Products</a> )

## Target Details

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Pathways: [Glycosaminoglycan Metabolic Process](#)

## Application Details

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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

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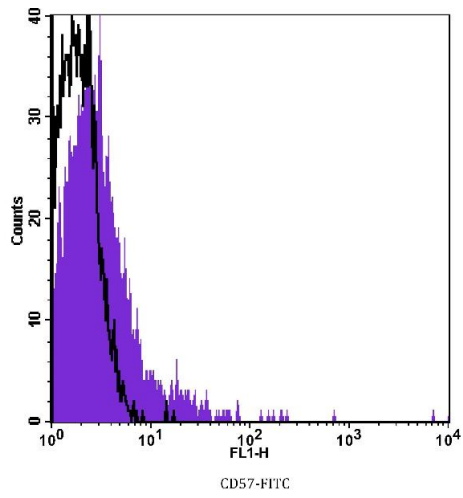
Format: Liquid

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



## Flow Cytometry

Image 1.