PE anti-human CD56

Catalog No.	Size
FHP056-100	100 tests
FHP056-050	50 tests
FHP056-025	25 tests

Storage Condition: Store at 4°C.DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.
Clone: 4AMY31
Isotype: Mouse IgG1,k
Reactivity: Human
Vol.per.test 10μl/test
Storage Buffer: Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide and 0.2% (w/v) BSA
Applications: FC

DESCRIPTION:

CD56 is a single transmembrane glycoprotein also known as NCAM (neural cell adhesion molecule), Leu-19, or NKH1. It is a member of the Ig superfamily. The 140 kD isoform is expressed on NK and NKT cells. CD56 is also expressed in the brain (cerebellum and cortex) and at neuromuscular junctions. Certain large granular lymphocyte (LGL) leukemias, small-cell lung carcinomas, neuronal derived tumors, myelomas, and myeloid leukemias also express CD56. CD56 plays a role in homophilic and heterophilic adhesion via binding to itself or heparan sulfate.

EXPERIMENTAL METHODS:

(***The following is a general protocol, optimization is required for best results of your experiment. Please contact us by email or by phone for further technical support.***)

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 ml1×RBC lysis buffer, incubate for 10 minutes away 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, then1000 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℃then measured).

[PBS wash buffer: PBS +1% FBS +0.1% NaN3; Cat.: FXP005]
[Cell fixation: 2% formaldehyde solution]

NOTICES:

1. This reagent has been pre-diluted for use at the recommended Volume per Test;
2. We typically use 1 X 10^6 cells in a 100µl experimental sample (a test);
3. Since applications vary, each investigator should titrate the reagent to obtain optimal results;
4. **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;
5. If the sample can not be timely analysis, please fixed;
6. ***For research use only, not for diagnostic or therapeutic use.***

RELATED PRODUCTS:

Catalog No.	Product Name	Applications
FHU056	Purified anti-human CD56	FC
FHY056	NE Purified anti-human CD56 (NCAM)	FC
FHB056	Biotin anti-human CD56 (NCAM)	FC
FHF056	FITC anti-human CD56	FC
FHR056	PerCP anti-human CD56 (NCAM)	FC
FHA056	APC anti-human CD56 (NCAM)	FC
FHC056	PE-Cy5 anti-human CD56 (NCAM)	FC
FHO056	APC-Cy7 anti-human CD56 (NCAM)	FC
FHS056	PerCP-Cy5.5 anti-human CD56 (NCAM)	FC
FHN056	PE-Cy7 anti-human CD56 (NCAM)	FC
FHG056	Alexa Fluor® 488 anti-human CD56 (NCAM)	FC
FHI056	Alexa Fluor® 700 anti-human CD56 (NCAM)	FC
FHK056	Alexa Fluor® 647 anti-human CD56 (NCAM)	FC