PE-Labeled Monoclonal Anti-Human CD56 Antibody

Catalog # FABm006-01

Application

Flow Cytometry (Evaluation of the expression of CD56 on Human cells).

Species

Mouse

Specificity

This product is a specific antibody specifically reacts with CD56 protein.

Reactivity

Human

Conjugate

PE

Excitation Wavelength: 488 nm / 561 nm

Emission Wavelength: 575 nm

Isotype Control

The Isotype control is sold separately and you can search for Cat. No. ***DNP-PM486*** for product information.

Recommended Dilution

1:20

Formulation

Supplied as 0.2 μm filtered solution in PBS, 0.2% BSA, 0.03% Proclin 300, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

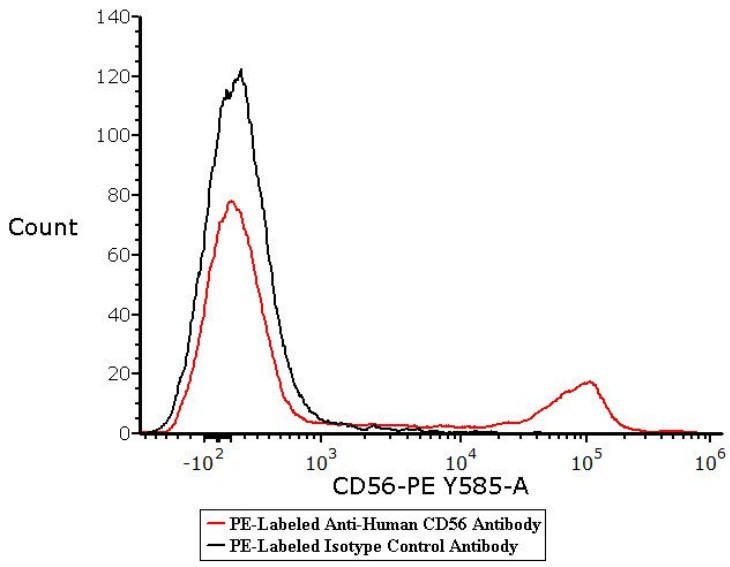
Storage

Please protect from light and avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- Store at 2-8 °C for 12 months.

Bioactivity-FACS



Flow cytometric analysis of Human peripheral blood lymphocytes respectively staining with PE-Labeled Monoclonal Anti-Human CD56 Antibody Mouse IgG2b (Cat. No. FABm006-01) at 1:20 dilution (5 μL of the antibody stock solution corresponds to labeling of 2.5e5 cells in a final volume of 100 μL), compared with isotype control antibody. PE signal was used to evaluate the binding activity (QC tested).

Background

NCAM1 belongs to the immunoglobulin superfamily of adhesion molecules. A wide range of alternatively spliced NCAM1 messenger RNAs (mRNAs) has been described to date, but only the 120-, 140-, and 180- kDa isoforms are commonly expressed. NCAM1 plays an important role in the regulation of neurogenesis, neurite outgrowth, proliferation, and cell migration, however, its function in hematopoiesis, including NK cells, is poorly understood. NCAM1 signaling is mediated

either by homophilic or heterophilic interactions with fibroblast growth factor receptor (FGFR), L1-CAM, N-cadherin and other components of the extracellular matrix. Upon activation, NCAM1 triggers a variety of signaling cascades including FYN–focal adhesion kinase (FAK), MAPK, and phosphatidylinositol 3-kinase (PI3K) pathways.

Clinical and Translational Updates