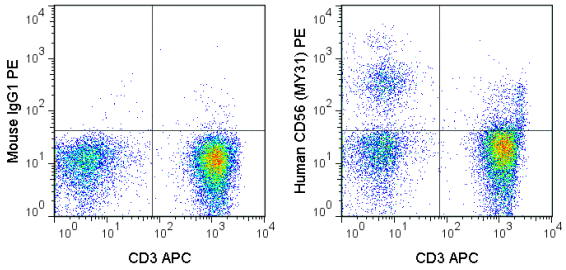
TECHNICAL DATA SHEET

PE Anti-Human CD56 (NCAM) (MY31)

Catalog Number: 50-0564

PRODUCT INFORMATION

Contents:	PE Anti-Human CD56 (NCAM) (MY31)
Isotype:	Mouse IgG1, kappa
Concentration:	5 µL (1.0 µg)/test
Clone:	MY31
Reactivity:	Human
Use By:	12 months from date of receipt
Storage Conditions:	2-8°C protected from light
Formulation:	10 mM NaH2PO4, 150 mM NaCl, 0.09% NaN3, 0.1% gelatin, pH7.2



Human peripheral blood lymphocytes were stained with APC Anti-Human CD3 (20-0038) and 5 uL (1 ug) PE Anti-Human CD56 (50-0564) (right panel) or 1 ug PE Mouse IgG1 isotype control (left panel).

DESCRIPTION

The MY31 antibody reacts with human CD56, also known as the neural cell adhesion molecule (NCAM), a glycoprotein which is a member of the immunoglobulin superfamily. The 140 kDa isoform of CD56 is expressed on human NK cells and NK-T cells, with increased expression levels on activated NK lymphocytes. The CD56 antigen is also expressed by neurons and is reported to play a role in nervous system development and neural cell-to-cell adhesion. Clone MY31 also reacts with a subset of CD14+ monocytes in non-human primates, and is reported to be cross-reactive with Chimpanzee, Cynomolgus and Rhesus.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been pre-titrated and quality-tested for flow cytometry using an appropriate cell type. The antibody has been diluted for use at 5 µL per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 µL. The number of cells within a sample should be determined empirically, but typically ranges between 1x10e5 to 1x10e8 cells.

REFERENCES

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