Anti-Human CD56 (NCAM) FITC

Catalog Number :08631-50

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Clone: MY31

Format/Conjugate: FITC

Concentration: 5 uL (1 ug)/test

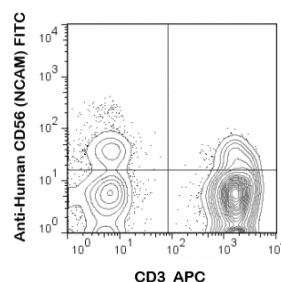**Reactivity:** Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

Human peripheral blood lymphocytes were stained with FITC MY31 and APC UCHT1.

Isotype: Mouse IgG1, kappa

Formulation: Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC

Description

The MY31 monoclonal antibody specifically reacts with human CD56, or Neural Cell Adhesion molecule (NCAM). CD56 is a 140 kDa transmembrane glycoprotein also known as Leu-19 or NKH1. It is expressed on NK and NKT cells and has a role in cellular adhesion.

Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze.The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

References

1.Lanza, F., Bi, S., Castoldi, G., Goldman, J. M. (1993). Abnormal expression of N-CAM (CD56) adhesion molecule on myeloid and progenitor cells from chronic myeloid leukemia.;Leukemia,;7(10), 1570-1575.

2. Reimann, K. A., Waite, B. C., Lee-Parritz, D. E., Lin, W., Uchanska-Ziegler, B., O'Connell, M. J., Letvin, N. L. (1994). Use of human leukocyte-specific monoclonal antibodies for clinically immunophenotyping lymphocytes of rhesus monkeys.;Cytometry,;17(1), 102-108.

3. Carter, D. L., Shieh, T. M., Blosser, R. L., Chadwick, K. R., Margolick, J. B., Hildreth, J. E. K., ... Zink, M. C. (1999). CD56 identifies monocytes and not natural killer cells in rhesus macaques.;Cytometry,;37(1), 41-50.