Enabling Science through Innovation

Technical Data Sheet

Anti-Human CD11c FITC

Catalog Number :03231-50

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

Product Information

Clone: 3.9

Format/Conjugate: FITC

Concentration: 5ul (1 ug)/test

Reactivity: Human

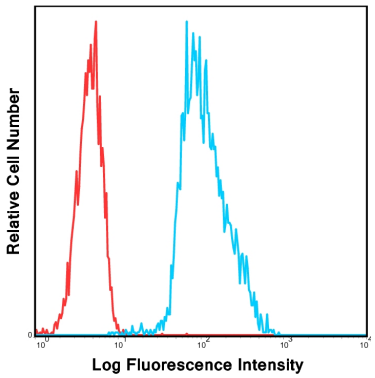
Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

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



Human peripheral blood monocytes were stained with FITC 3.9 with relevant isotype control in Red.

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 3.9 monoclonal antibody specifically binds to the human adhesion glycoprotein CD11c, a 150 kDA integrin α chain also known as integrin alpha X. It is expressed on macrophages, granulocytes, monocytes, dendritic cells, natural killer cells, and subsets of B and T lymphocytes. The CD11c/CD18 complex associates with the iC3b, fibrinogen and ICAM-1 and has an important function in leukocyte 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.Schlossman, S. F. (1995).;Leucocyte typing V: White cell differentiation antigens: Proceedings of the Fifth International Workshop and Conference, Held in Boston, USA 3-7 November, 1993. Oxford University Press.

2. Knapp W;(1989) Leucocyte typing IV: white cell differentiation antigens. Oxford University Press, 1989.

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3. McMichael, A. J. (1987). Leucocyte typing III.;Oxford University Press, Oxford. Norton AJ, Isaacson PG (1985)

4. Ottonello, L., Epstein, A. L., Dapino, P., Barbera, P., Morone, P., Dallegri, F. (1999). Monoclonal Lym-1 antibody-dependent cytolysis by neutrophils exposed to granulocyte-macrophage colony-stimulating factor: intervention of FcγRII (CD32), CD11b-CD18 integrins, and CD66b glycoproteins.;Blood,;93(10), 3505-3511.

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