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Technical Data Sheet

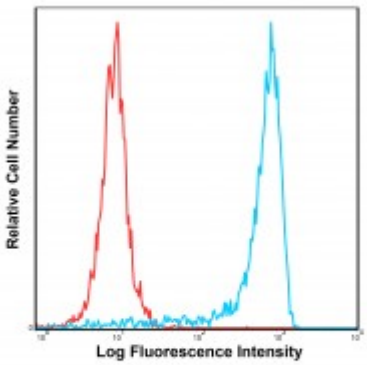
Anti-Human CD11b PE

Catalogue Number : 03211-60

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

Product Information

Clone: ICRF44
Format/Conjugate: PE
Concentration: 5 uL (1 ug)/test
Reactivity: Human
Laser: Blue (488nm), Yellow/Green (532-561nm)
Peak Emission: 578nm
Peak Excitation: 496nm
Filter: 585/40
Brightness (1=dim,5=brightest): 5
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



Human peripheral blood monocytes were stained with PE ICRF44 with relevant isotype control in Red.

Description

The ICRF44 monoclonal antibody specifically reacts with the 165 kDa human adhesion glycoprotein CD11b, which forms, together with the 95 kDa CD18 (integrin β2) a complex known as Mac-1. CD11b is expressed on the surface of activated lymphocytes, a subset of natural killer cells, granulocytes, and monocytes. It functions as a receptor in cell-cell and cell-matrix interactions and as a receptor for iC3b, ICAM-1, ICAM-2, and ICAM-3 intercellular adhesion molecules.

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.Barclay, A. N., Brown, M. H., Law, S. A. K. A., McKnight, A. J., Tomlinson, M. G., van der Merwe, P. A. (1997).;The leucocyte antigen factsbook. Academic Press.

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

3. Sotiriou, S. N., Orlova, V. V., Al-Fakhri, N., Ihanus, E., Economopoulou, M., Isermann, B., ... Chavakis, T. (2006). Lipoprotein (a) in atherosclerotic plaques recruits inflammatory cells through interaction with Mac-1 integrin.;The FASEB journal,;20(3), 559-561.

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