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Technical Data Sheet

Anti-Human CD66b FITC

Catalogue Number : 08711-50

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

Product Information

Clone: G10F5

Format/Conjugate: FITC

Concentration: 0.5 mg/mL

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

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

Isotype: Mouse IgM, 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 G10F5 monoclonal antibody specifically reacts with human CD66b, a 100kDa glycosylphosphatidylinositol (GPI) linked protein in the granulocyte-specific activation family. CD66b is expressed on granulocytes, neutrophils, and eosinophils. It is reported that this molecule plays a role in regulating neutrophil activation and cellular adhesion. It was previously classified as CD67, but renamed CD66b in the Fifth HLDA Workshop.

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. Lund-Johansen, F. R. I. D. T. J. O. F., Olweus, J. O. H. A. N. N. A., Horejsi, V. A. C. L. A. V., Skubitz, K. M., Thompson, J. S., Vilella, R., ; Symington, F. W. (1992). Activation of human phagocytes through carbohydrate antigens (CD15, sialyl-CD15, CDw17, and CDw65).;The Journal of Immunology,;148(10), 3221-3229.

3. Schmidt, T., Zündorf, J., Grüger, T., Brandenburg, K., Reiners, A. L., Zinserling, J., ; Schnitzler, N. (2012). CD66b overexpression and homotypic aggregation of human peripheral blood neutrophils after activation by a gram-positive stimulus.;Journal of leukocyte biology,;91(5), 791-802.

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