

## Anti-Human CD66b PE

Catalog Number :08711-60

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

### Product Information

**Clone:** G10F5

**Format/Conjugate:** PE

**Concentration:** 5uL (0.5ug)/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 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

- 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.
- 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.
- 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.