

Anti-Human CD206 (MMR) APC

Catalog Number :28111-80

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

Product Information

Clone: 19.2

Format/Conjugate: APC

Concentration: 5 uL (0.6 ug)/test

Reactivity: Human

Laser: Red (635 -655nm)

Peak Emission: 660nm

Peak Excitation: 650nm

Filter: 660/20

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

Description

The 19.2 monoclonal antibody specifically reacts with human CD206, type I transmembrane protein primarily present on the surface of macrophages, immature dendritic cells, and the surface of skin cells. The receptor recognizes a range of microbial carbohydrates and is involved in macrophage activation and antigen presentation.

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. Dasgupta, S., Bayry, J., Lacroix-Desmazes, S., Kaveri, S. V. (2007). Human mannose receptor (CD206) in immune response: novel insights into vaccination strategies using a humanized mouse model.;Expert review of clinical immunology,;3(5), 677-681.
2. Tsai, Y. M., Hsu, S. C., Zhang, J., Zhou, Y. F., Plunkett, B., Huang, S. K., Gao, P. S. (2013). Functional interaction of cockroach allergens and mannose receptor (CD206) in human circulating fibrocytes.;PloS one,;8(5).
3. Alves-Januzzi, A. B., Brunialti, M. K. C., Salomao, R. (2017). CD 163 and CD 206 expression does not correlate with tolerance and cytokine production in LPS-tolerant human monocytes.;Cytometry Part B: Clinical Cytometry,;92(3), 192-199.