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Technical Data Sheet

Anti-Human TIM3 APC

Catalog Number :78211-80

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

Product Information

Clone: F38-2E2

Format/Conjugate: APC

Concentration: 5 uL (0.06 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 F38-2E2 monoclonal antibody specifically reacts with human T cell immunoglobulin and mucin domain containing protein (TIM3), a transmembrane molecule found on monocytes, macrophages, dendritic cells, and activated T cell types such as Treg, Th1, and Th17. TIM3 can exist in soluble and membrane bound forms and the relevant ligand for the protein is Galectin-9. It plays a role in the creation of immunological tolerances, the secretion of Th1 and Th17 related cytokines, and HIV infection.

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

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2. Hastings, W. D., Anderson, D. E., Kassam, N., Koguchi, K., Greenfield, E. A., Kent, S. C., ... Kuchroo, V. K. (2009). TIM-3 is expressed on activated human CD4+ T cells and regulates Th1 and Th17 cytokines.;European journal of immunology,;39(9), 2492-2501.

3. Koguchi, K., Anderson, D. E., Yang, L., O'Connor, K. C., Kuchroo, V. K., Hafler, D. A. (2006). Dysregulated T cell expression of TIM3 in multiple sclerosis.;The Journal of experimental medicine,;203(6), 1413-1418.