

Anti-Mouse CD83 PE

Catalog Number :05912-60

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

Product Information

Clone: Michel17

Format/Conjugate: PE

Concentration: 0.2 mg/mL

Reactivity: Mouse

Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

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

Isotype: Rat IgG1

Formulation: Phosphate-buffered aqueous solution, $\leq 0.09\%$ 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 Michel-17 monoclonal antibody specifically reacts with mouse CD83, a 45kDA type I transmembrane glycoprotein. CD83 is expressed mainly on activated lymphocytes and mature dendritic cells and it plays a role in T cell development. The Michel-17 antibody does not induce an activation signal on dendritic or T cells.

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. For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 ug per million cells in 100 μ l volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Cramer, S. O., Trumpheller, C., Mehlhoop, U., Moré, S., Fleischer, B., von Bonin, A. (2000). Activation-induced expression of murine CD83 on T cells and identification of a specific CD83 ligand on murine B cells.; *International immunology*;12(9), 1347-1351.
2. Wolenski, M., Cramer, S. O., Ehrlich, S., Steeg, C., Fleischer, B., Von Bonin, A. (2003). Enhanced Activation of CD83-Positive T Cells*; *Scandinavian journal of immunology*;58(3), 306-311.
3. Breloer, M., Fleischer, B. (2008). CD83 regulates lymphocyte maturation, activation and homeostasis.; *Trends in immunology*;29(4), 186-194.