

Anti-Human CD73 PE

Catalog Number :05811-60

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

Product Information

Clone: AD2

Format/Conjugate: PE

Concentration: 5 uL (0.125 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

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 AD2 monoclonal antibody specifically reacts with human CD73 (ecto-5'-nucleotidase), a 70 kDA glycosyl phosphatidylinositol (GPI)-anchored glycoprotein. CD73 catalyzes the dephosphorylation of adenosine monophosphate (AMP) to adenosine and is expressed on subsets of B, T, dendritic, endothelial, and mesenchymal stem cells. It is also involved in the adhesion of lymphocytes to endothelium and T cell activation.

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.
- Nakamura, T., Kubagawa, H., Ohno, T., Cooper, M. D. (1993). Characterization of an IgM Fc-binding receptor on human T cells.;The Journal of Immunology,;151(12), 6933-6941.
- Alam, M. S., Kurtz, C. C., Rowlett, R. M., Reuter, B. K., Wiznerowicz, E., Das, S., ... Ernst, P. B. (2009). CD73 is expressed by human regulatory T helper cells and suppresses proinflammatory cytokine production and Helicobacter felis-induced gastritis in mice.;Journal of Infectious Diseases,;199(4), 494-504.