

Anti-Mouse CD24 PE

Catalog Number :06312-60

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

Product Information

Clone: M1/69

Format/Conjugate: PE

Concentration: 0.2 mg/mL

Reactivity: Mouse

Laser: Blue (488nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

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

Isotype: Rat IgG2b, 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 M1/69 monoclonal antibody specifically reacts with mouse CD24, variably glycosylated GPI-anchored membrane protein. CD24 is known as the Heat Stable Antigen (HAS or HsAG) and is found on epithelial cells, thymocytes, monocytes, erythrocytes, granulocytes, dendritic cells and lymphocytes to the exclusion of NK cells. It is useful in delineating the stages of lymphocyte development and is involved in the costimulation of CD4+ T cells by B cells. CD62P (P-Selectin) is the reported ligand of CD24.

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 ≤0.03 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Alterman, L. A., Crispe, I. N., Kinnon, C. (1990). Characterization of the murine heat-stable antigen: An hematolymphoid differentiation antigen defined by the J11d, M1/69 and B2A2 antibodies.;European journal of immunology,20(7), 1597-1602.
2. Crowley, M., Inaba, K., Witmer-Pack, M., Steinman, R. M. (1989). The cell surface of mouse dendritic cells: FACS analyses of dendritic cells from different tissues including thymus.;Cellular immunology,;118(1), 108-125.
3. Wenger, R. H., Rochelle, J. M., Seldin, M. F., Köhler, G., Nielsen, P. J. (1993). The heat stable antigen (mouse CD24) gene is differentially regulated but has a housekeeping promoter.;Journal of Biological Chemistry,;268(31), 23345-23352.