

Anti-Mouse CD24 SAFIRE Purified

Catalog Number :06312-25

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

Product Information

Clone: M1/69

Format/Conjugate: SAFIRE Purified

Concentration: 1 mg/mL

Reactivity: Mouse

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

Isotype: Rat IgG2b, kappa

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC, FA

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. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. 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 hematology 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.