

Purified anti-human CD24

Catalog # / Size: 2155510 / 100 µg
2155505 / 25 µg

Clone: ML5

Isotype: Mouse IgG2a, κ

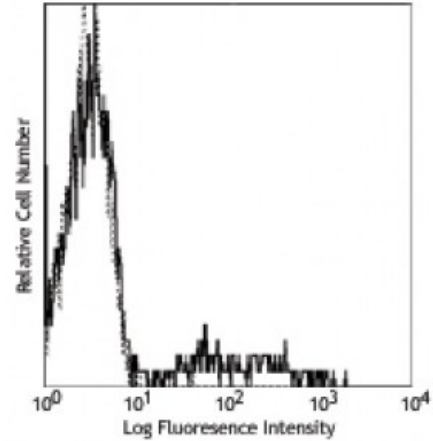
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Workshop Number: V CD24.5

Concentration: 0.5



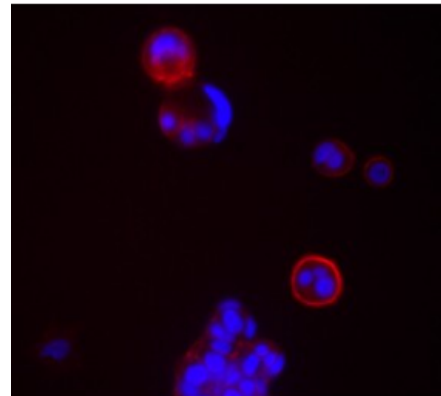
Human whole blood lymphocytes stained with purified ML5 and detected with anti-mouse IgGs FITC

Applications:

Applications: Immunofluorescence

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.125 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: immunofluorescence microscopy3.



MCF-7 breast cancer cells were stained with anti-CD24 (clone ML5) followed by DyLight™ 649 Goat anti-mouse Ig secondary antibody (red), plus DAPI staining for nuclei (blue). Images were taken under 20x bin4 (Filter set: EX647/10x, Dichroic 665LP, EM)

Application References:

- Schlossman S, *et al.* Eds. 1995. Leukocyte Typing V:White Cell Differentiation Antigens. Oxford University Press. New York.
- McMichael A, *et al.* 1987. Leucocyte Typing III. Oxford University Press. New York.
- Yang GP, *et al.* 1999. *Nucleic Acids Research* 27:1517. (IF)
- Kristiansen G, *et al.* 2003. *Clin. Cancer Res.* 9:4906. (FC)

Description: CD24 is a 35-45 kD glycosylphosphatidylinositol (GPI)-linked protein also known as heat stable antigen (HSA), BA-1, Ly-52, and nectadrin. It is expressed on the surface of B cells (but not plasma cells), granulocytes, follicular dendritic cells, and epithelial cells. CD24 may play a role in the regulation of B-cell proliferation and maturation. CD24 crosslinking induces a Ca^{2+} flux in mature B cells. CD24 has been shown to interact with CD62P (P-selectin).

Antigen 1. Schlossman S, *et al.* Eds. 1995. Leukocyte Typing V. Oxford University Press.
References: New York.