SONY

Product Data Sheet

Alexa Fluor® 488 anti-human CD24

Catalog # / Size: 2155540 / 100 tests

Clone: ML5

Isotype: Mouse IgG2a, κ

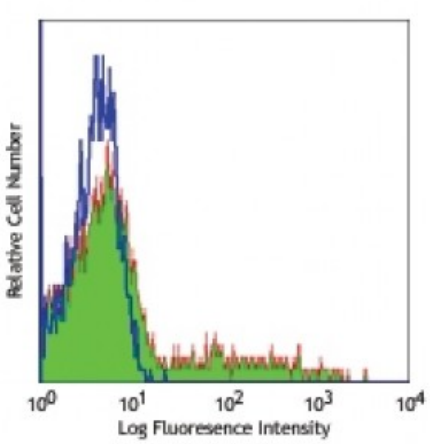
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Workshop Number: V CD24.5

Concentration: Lot-specific



Human peripheral blood lymphocytes stained ML5 Alexa Fluor® 488

Applications:

Applications: Flow Cytometry

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 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.

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

Application References:

1. Schlossman S, *et al.* Eds. 1995. Leukocyte Typing V:White Cell Differentiation Antigens. Oxford University Press. New York.
2. McMichael A, *et al.* 1987. Leucocyte Typing III. Oxford University Press. New York.
3. Yang GP, *et al.* 1999. *Nucleic Acids Research* 27:1517. (IF)
4. 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 References:

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

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