

Alexa Fluor® 647 anti-human CD24

Catalog # / Size: 2155550 / 100 tests
2155545 / 25 tests

Clone: ML5

Isotype: Mouse IgG2a, κ

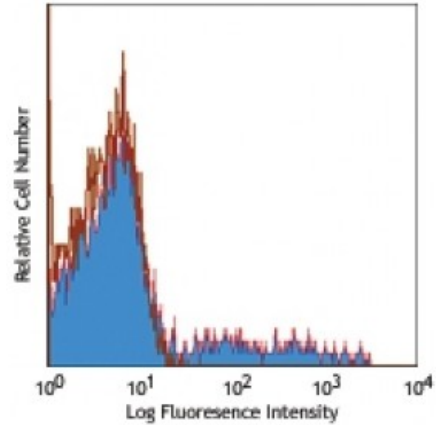
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 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

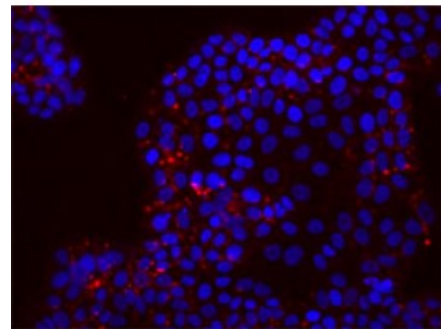


Human peripheral blood lymphocytes stained ML5 Alexa Fluor® 647

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.



Application Notes: * Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm. Additional reported applications (for the relevant formats) include: immunofluorescence microscopy3.

MDA-MB231 breast cancer cell line was stained with 10 microg/mL anti-human CD24 Alexa Fluor® 647 and nuclear counterstained with DAPI. Images were acquired with a TE300 fluorescence microscope with a 20x objective. Data provided by: Er Liu and John

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. Leukocyte 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)
- Buonato JM, *et al.* 2014. *Cancer Res.* 74:309. [PubMed](#)
- Leccia F, *et al.* 2012. *Cytometry A.* 81:960. [PubMed](#)

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.