

Product Data Sheet

Purified anti-human CD24

Catalog # / Size: 311101 / 25 µg
311102 / 100 µg

Clone: ML5

Isotype: Mouse IgG2a, κ

Workshop Number: V CD24.5

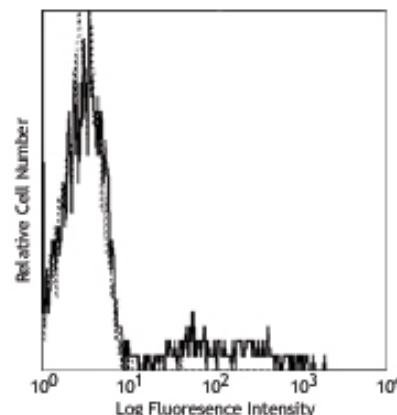
Reactivity: Human, **Cross-Reactivity:** Chimpanzee, Baboon

Preparation: The antibody was purified by affinity chromatography.

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

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



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

Applications:

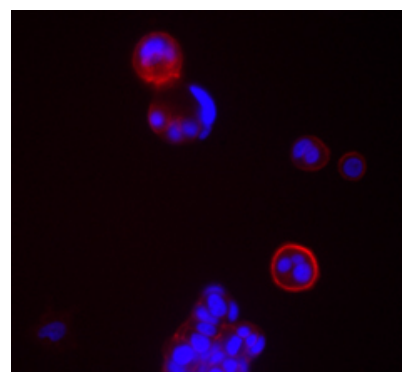
Applications: FC - *Quality tested*
IF - *Validated*
IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.125 µg per million cells in 100 µl 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 and immunohistochemical staining of acetone-fixed frozen tissue sections.

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.



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 Ca²⁺ 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.

Related Products:

Product
APC Goat anti-mouse IgG (minimal x-reactivity)
FITC Goat anti-mouse IgG (minimal x-reactivity)
HRP Goat anti-mouse IgG (minimal x-reactivity)
Purified Mouse IgG2a, κ Isotype Ctrl
PE Goat anti-mouse IgG (minimal x-reactivity)
Cell Staining Buffer

Clone
Poly4053
Poly4053
Poly4053
MOPC-173
Poly4053

Application
FC
FC
ELISA, IHC, WB
FC, ICC, IF, IHC, IP, WB
FC
FC, ICC, ICFC

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 700/70x) at exposure 4s. Data provided by Er Liu and John Nolan, La Jolla Institute for Bioengineering.



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