

**PE/Dazzle™ 594 anti-human CD24**

**Catalog # / Size:** 2155665 / 25 tests  
2155670 / 100 tests

**Clone:** ML5

**Isotype:** Mouse IgG2a, κ

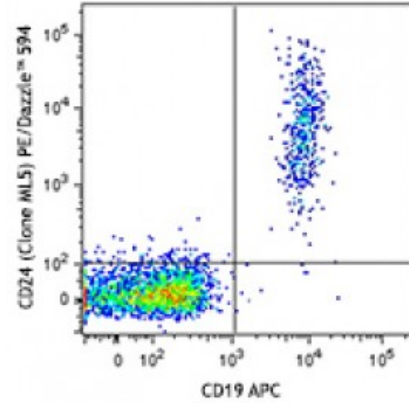
**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

**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

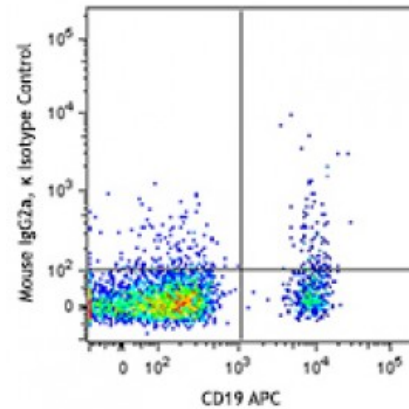


Human peripheral blood lymphocytes were stained with CD19 APC and CD24 (clone ML5) PE/Dazzle™ 594 (top) or mouse IgG2a, κ PE/Dazzle™ 594 isotype control (bottom).

**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.



\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

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

- 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)

**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  $\text{Ca}^{2+}$  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.