

APC/Fire™ 750 anti-human CD24

Catalog # / Size: 2155700 / 100 tests
2155695 / 25 tests

Clone: ML5

Isotype: Mouse IgG2a, κ

Immunogen: Human T cells from a T-ALL patient.

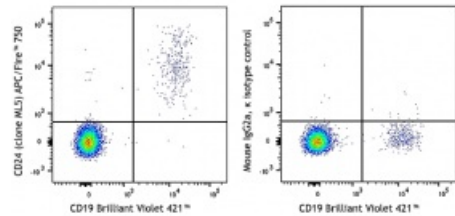
Reactivity: Human, Other

Preparation: The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 750 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 were stained with CD19 Brilliant Violet 421™ and CD24 (clone ML5) APC/Fire™ 750 (left) or mouse IgG2a, κ APC/Fire™ 750 isotype control (right).

Applications:

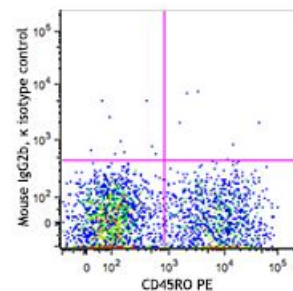
Applications: Flow Cytometry

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 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 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. 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)



Human peripheral blood lymphocytes were stained with anti-human CD4 FITC and anti-human CD25 (clone M-A251) Spark YG™ 581 (left) or anti-human CD4 FITC only (right).

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.