

Brilliant Violet 421™ anti-human CD24

Catalog # / Size: 311121 / 25 tests
311122 / 100 tests

Clone: ML5

Isotype: Mouse IgG2a, κ

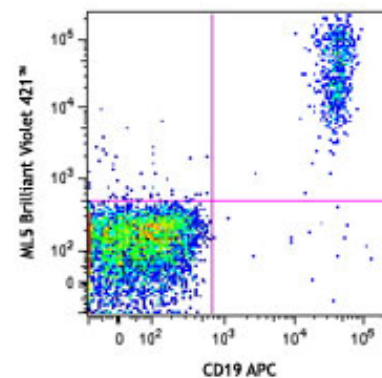
Workshop Number: V CD24.5

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

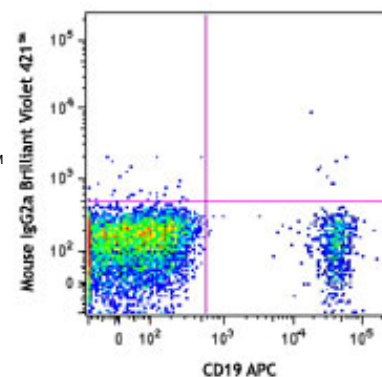
Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.

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

Storage: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood lymphocytes stained with CD19 APC and CD24 (clone ML5) Brilliant Violet 421™ (top) or mouse IgG2a, κ Brilliant Violet 421™ isotype control (bottom).



Applications:

Applications: FC - Quality tested

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

Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd.

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 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
 Brilliant Violet 421™ Mouse IgG2a, κ Isotype Ctrl
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
 MOPC-173

Application
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC, ICC, ICFC



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