SONY

Product Data Sheet

Brilliant Violet 421™ anti-human CD24

Catalog # / Size: 2155605 / 25 tests
2155610 / 100 tests

Clone: ML5

Isotype: Mouse IgG2a, κ

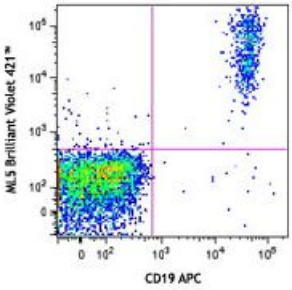
Reactivity: Human

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

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

Workshop Number: V CD24.5

Concentration: Lot-specific



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

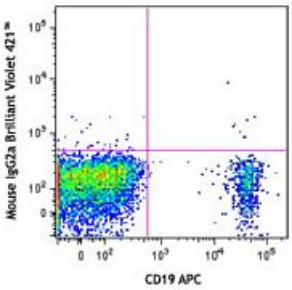
Applications:

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 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:

1. Schlossman S, *et al.* Eds. 1995. Leukocyte Typing V:White Cell Differentiation Antigens. Oxford University Press. New York.
2. McMichael A, *et al.* 1987. Leucocyte Typing III. Oxford University Press. New York.
3. Yang GP, *et al.* 1999. *Nucleic Acids Research* 27:1517. (IF)
4. Kristiansen G, *et al.* 2003. *Clin. Cancer Res.* 9:4906. (FC)

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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.

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