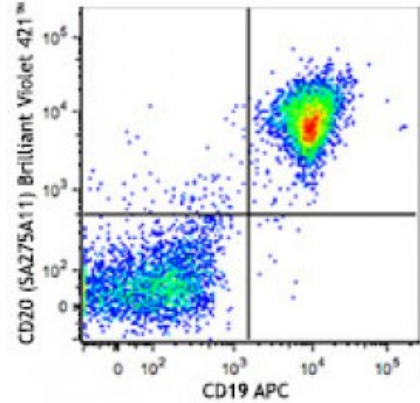


Brilliant Violet 421™ anti-mouse CD20

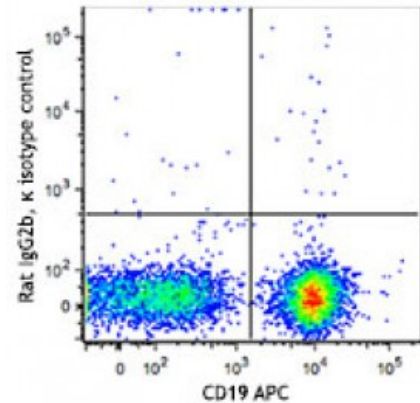
Catalog # / Size: 1352025 / 50 µg
Clone: SA275A11
Isotype: Rat IgG2b, κ
Immunogen: Mouse CD20 - transfected cells
Reactivity: Mouse
Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 421™ and unconjugated antibody.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration: 0.2



C57BL/6 mouse splenocytes were stained with CD19 APC and CD20 (clone SA275A11) Brilliant Violet 421™ (top) or rat IgG2b, κ Brilliant 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 ≤0.25 microg per million cells in 100 microL volume. For immunohistochemical staining of frozen sections, the suggested use of this reagent is 2.5-10 microg/mL. 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.

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U.S. Patent(s), pending patent applications and foreign equivalents.

Description: CD20 is a 33-37 kD protein, a member of the MS4A family, with four transmembrane spanning regions that present as a homo-oligomeric complexes in the cell surface when associating with MHC class I and II, CD53, CD81, and CD82. CD20 is expressed on B cells and a subset of T cells, but not on plasma cells. CD20 regulates B-cell activation and proliferation. Its ligation promotes transmembrane Ca²⁺ trafficking. CD20 is an important therapeutic target in the treatment of B cell lymphomas and leukemias.

Antigen
References:

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2. Lund FE, Randall TD. 2010. *Nat. Rev. Immunol.* 10:236.
3. Beers SA, *et al.* 2010. *Blood* 115:5191.
4. Kuijpers TW, *et al.* 2010. *J.*