

Brilliant Violet 421™ anti-mouse IgD

Catalog # / Size: 2628625 / 50 µg

Clone: 11-26c.2a

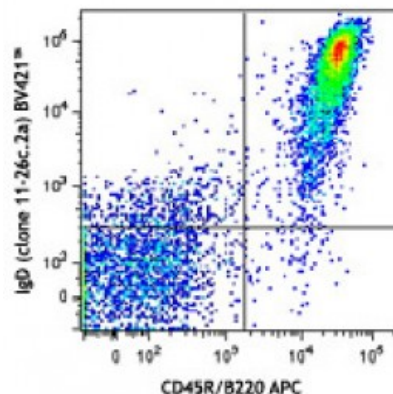
Isotype: Rat IgG2a, κ

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 splenocytes were stained with CD45R/B220 APC and IgD (clone 11-26c.2a) Brilliant Violet 421™ (top) or rat IgG2a, κ Brilliant Violet 421™ isotype control (bottom).

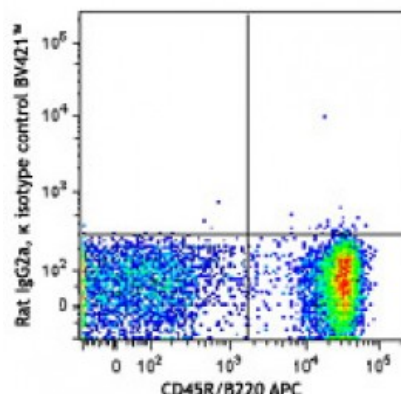
Applications:

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. 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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Application The 11-26c.2a antibody reacts with

Notes: immunoglobulin D in all tested mouse haplotypes. The antibody binds membrane IgD expressed on most B cells. The 11-26c.2a antibody neither induces proliferation of splenic B cells nor induces B cell activation. Additional reported applications (for the relevant formats) include: immunohistochemical staining of acetone-fixed frozen sections^{2,3}.

Application 1. Nitschke L, *et al.* 1993. *P. Natl. Acad. Sci. USA* 90:1887. (FC)
References: 2. Weih D, *et al.* 2001. *J. Immunol.* 167:1909. (IHC)
3. Koni PA, *et al.* 2001. *J. Exp. Med.* 193:741. (IHC)
4. Ahuja A, *et al.* 2007. *J. Immunol.* 179:3351. (FC) [PubMed](#)
5. Haynes NM, *et al.* 2007. *J. Immunol.* 179:5099. (FC)
6. Good-Jacobson KL, *et al.* 2010. *Nat. Immunol.* 11:535. (FC) [PubMed](#)
7. Tomayko MM, *et al.* 2010. *J. Immunol.* 185:7146. [PubMed](#)
8. Park SY, *et al.* 2013. *J. Immunol.* 190:1094. [PubMed](#)

Description: Surface IgD is an important B cell differentiation marker.