

Brilliant Violet 421™ Rat IgG2b, κ Isotype Ctrl

Catalog # / Size:	2603195 / 125 µl 2603200 / 500 µl 2603275 / 50 µg
Clone:	RTK4530
Isotype:	Rat IgG2b, κ
Immunogen:	Trinitrophenol + KLH
Preparation:	The immunoglobulin 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:	microg sizes: 0.2 mg/ml microL sizes: lot-specific

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis as negative control. Use at concentrations comparable to those of the specific antibody of interest.

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 Notes: The RTK4530 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, and immunofluorescence microscopy. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 400622) as negative control. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400644) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

Application References:

1. Cervantes-Barragan L, *et al.* 2007. *Blood* 109:1131.
2. Zeiser R, *et al.* 2007. *Blood* 109:2225.
3. Sasaki K, *et al.* 2008. *J. Immunol.* 181:104. [PubMed](#)
4. Duan J, *et al.* 2008. *P. Natl. Acad. Sci. USA* 105:5183. [PubMed](#)
5. Yi H, *et al.* 2009. *Blood* 113:5819. [PubMed](#)
6. Schafeer JS, *et al.* 2010. *J. Leukocyte Biol.* 87:301. [PubMed](#)

Description: The isotype of RTK4530 immunoglobulin is rat IgG2b, κ . This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.