

Brilliant Violet 510™ Rat IgG1, κ Isotype Ctrl Antibody

Catalog# / Size	400435 / 125 µL
Clone	RTK2071
Regulatory Status	RUO
Isotype	Rat IgG1, κ
Description	The isotype of RTK2071 immunoglobulin is rat IgG1, 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.

Product Details

Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Trinitrophenol + KLH
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Preparation	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 510™ under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration, please enter the lot number in our Concentration and Expiration Lookup or Certificate of Analysis online tools.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested ICFC - Verified
Recommended Usage	<p>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. Use our Concentration Lookup tool to find the exact concentrations of your lots of product.</p> <p>Brilliant Violet 510™ excites at 405 nm and emits at 510 nm. The bandpass filter 510/50 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 510™ is a trademark of Sirigen Group Ltd.</p> <p>Learn more about Brilliant Violet™.</p> <p>This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.</p>
Excitation Laser	Violet Laser (405 nm)
Application Notes	The RTK2071 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. 400414) as negative control ¹ . For <i>in vivo</i> studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400432) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin < 0.01 EU/µg).
Application References	1. Riemann M, <i>et al.</i> 2005. <i>J. Immunol.</i> 175:3560. PubMed
(PubMed link indicates	2. Wondimu Z, <i>et al.</i> 2010. <i>Am. J. Pathol.</i> 177:2334. PubMed

BioLegend citation)

Product Citations

1. Molina MS, *et al.* 2021. Front Immunol. 12:699128. [PubMed](#)

Antigen Details

Gene ID NA

Other Formats

APC Rat IgG1, κ Isotype Ctrl, Biotin Rat IgG1, κ Isotype Ctrl, FITC Rat IgG1, κ Isotype Ctrl, PE Rat IgG1, κ Isotype Ctrl, PE/Cyanine5 Rat IgG1, κ Isotype Ctrl, Purified Rat IgG1, κ Isotype Ctrl, PE/Cyanine7 Rat IgG1, κ Isotype Ctrl, Alexa Fluor® 647 Rat IgG1, κ Isotype Ctrl, Alexa Fluor® 488 Rat IgG1, κ Isotype Ctrl, Pacific Blue™ Rat IgG1, κ Isotype Ctrl, Alexa Fluor® 700 Rat IgG1, κ Isotype Ctrl, APC/Cyanine7 Rat IgG1, κ Isotype Ctrl, PerCP Rat IgG1, κ Isotype Ctrl, PerCP/Cyanine5.5 Rat IgG1, κ Isotype Ctrl, Brilliant Violet 421™ Rat IgG1, κ Isotype Ctrl, Ultra-LEAF™ Purified Rat IgG1, κ Isotype Ctrl, Brilliant Violet 605™ Rat IgG1, κ Isotype Ctrl, Brilliant Violet 510™ Rat IgG1, κ Isotype Ctrl, Brilliant Violet 650™ Rat IgG1, κ Isotype Ctrl, Brilliant Violet 711™ Rat IgG1, κ Isotype Ctrl, Brilliant Violet 785™ Rat IgG1, κ Isotype Ctrl, PE/Dazzle™ 594 Rat IgG1, κ Isotype Ctrl, Alexa Fluor® 594 Rat IgG1, κ Isotype Ctrl, GoInVivo™ Purified Rat IgG1, κ Isotype Ctrl, APC/Fire™ 750 Rat IgG1, κ Isotype Ctrl, TotalSeq™-A0236 Rat IgG1, κ Isotype Ctrl, KIRAVIA Blue 520™ Rat IgG1, κ Isotype Ctrl, TotalSeq™-B0236 Rat IgG1, κ Isotype Ctrl, TotalSeq™-C0236 Rat IgG1, κ Isotype Ctrl, Spark YG™ 581 Rat IgG1, κ Isotype Ctrl, Spark YG™ 593 Rat IgG1, κ Isotype Ctrl

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