

## Brilliant Violet 510™ Rat IgG2b, κ Isotype Ctrl Antibody

<b>Catalog# / Size</b>	400645 / 125 µL 400646 / 50 µg
<b>Clone</b>	RTK4530
<b>Regulatory Status</b>	RUO
<b>Isotype</b>	Rat IgG2b, κ
<b>Description</b>	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.

### Product Details

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<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Trinitrophenol + KLH
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 510™ under optimal conditions.
<b>Concentration</b>	µg sizes: 0.2 mg/mL µL sizes: lot-specific (to obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">ICFC - Verified</a>
<b>Recommended Usage</b>	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.  <a href="#">Learn more about Brilliant Violet™.</a>  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.
<b>Excitation Laser</b>	Violet Laser (405 nm)
<b>Application Notes</b>	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 Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 400643, 400644, 400671, 400672, 400675, and 400676) as negative control.
<b>Application References</b>	<ol style="list-style-type: none"> <li>1. Cervantes-Barragan L, <i>et al.</i> 2007. <i>Blood</i> 109:1131.</li> <li>2. Zeiser R, <i>et al.</i> 2007. <i>Blood</i> 109:2225.</li> <li>3. Sasaki K, <i>et al.</i> 2008. <i>J. Immunol.</i> 181:104. <a href="#">PubMed</a></li> <li>4. Duan J, <i>et al.</i> 2008. <i>P. Natl. Acad. Sci. USA</i> 105:5183. <a href="#">PubMed</a></li> <li>5. Yi H, <i>et al.</i> 2009. <i>Blood</i> 113:5819. <a href="#">PubMed</a></li> <li>6. Schafeer JS, <i>et al.</i> 2010. <i>J. Leukocyte Biol.</i> 87:301. <a href="#">PubMed</a></li> <li>7. Lei GS, <i>et al.</i> 2015. <i>Infect Immun.</i> 83:572. <a href="#">PubMed</a></li> <li>8. Richards J, <i>et al.</i> 2015. <i>Mol Cell Cardiol.</i> 79:21. <a href="#">PubMed</a></li> </ol>
<b>(PubMed link indicates BioLegend citation)</b>	

## Product Citations

1. Baranov MV, *et al.* 2018. *iScience*. 11:160. [PubMed](#)

## Antigen Details

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<b>Structure</b>	The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 810 under optimal conditions.
<b>Gene ID</b>	NA

## Other Formats

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APC Rat IgG2b, κ Isotype Ctrl, Biotin Rat IgG2b, κ Isotype Ctrl, FITC Rat IgG2b, κ Isotype Ctrl, PE Rat IgG2b, κ Isotype Ctrl, PE/Cyanine5 Rat IgG2b, κ Isotype Ctrl, Purified Rat IgG2b, κ Isotype Ctrl, PE/Cyanine7 Rat IgG2b, κ Isotype Ctrl, APC/Cyanine7 Rat IgG2b, κ Isotype Ctrl, Alexa Fluor® 647 Rat IgG2b, κ Isotype Ctrl, Alexa Fluor® 488 Rat IgG2b, κ Isotype Ctrl, Pacific Blue™ Rat IgG2b, κ Isotype Ctrl, Alexa Fluor® 700 Rat IgG2b, κ Isotype Ctrl, PerCP Rat IgG2b, κ Isotype Ctrl, PerCP/Cyanine5.5 Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 421™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 570™ Rat IgG2b, κ Isotype Ctrl, Ultra-LEAF™ Purified Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 510™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 605™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 785™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 650™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 711™ Rat IgG2b, κ Isotype Ctrl, PE/Dazzle™ 594 Rat IgG2b, κ Isotype Ctrl, Alexa Fluor® 594 Rat IgG2b, κ Isotype Ctrl, GolnVivo™ Purified Rat IgG2b, κ Isotype Ctrl, APC/Fire™ 750 Rat IgG2b, κ Isotype Ctrl, TotalSeq™-A0095 Rat IgG2b, κ Isotype Ctrl, TotalSeq™-C0095 Rat IgG2b, κ Isotype Ctrl, KIRAVIA Blue 520™ Rat IgG2b, κ Isotype Ctrl, Spark Blue™ 550 Rat IgG2b, κ Isotype Ctrl, PE/Fire™ 640 Rat IgG2b, κ Isotype Ctrl, APC/Fire™ 810 Rat IgG2b, κ Isotype Ctrl, PE/Fire™ 700 Rat IgG2b, κ Isotype Ctrl, TotalSeq™-B0095 Rat IgG2b, κ Isotype Ctrl

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BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 [www.biolegend.com](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587