

## Alexa Fluor® 647 Rat IgG1, κ Isotype Ctrl Antibody

<b>Catalog# / Size</b>	400418 / 100 µg
<b>Clone</b>	RTK2071
<b>Regulatory Status</b>	RUO
<b>Isotype</b>	Rat IgG1, κ
<b>Description</b>	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

---

<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.
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.
<b>Concentration</b>	0.5 mg/ml
<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>	<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 <a href="#">Concentration Lookup</a> tool to find the exact concentrations of your lots of product.</p> <p>* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.</p> <p>Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation.</p> <p><a href="#">View full statement regarding label licenses</a></p>
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>Application Notes</b>	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 <sup>1</sup> . 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).
<b>Application References</b> (PubMed link indicates BioLegend citation)	<ol style="list-style-type: none"><li>1. Riemann M, <i>et al.</i> 2005. <i>J. Immunol.</i> 175:3560. <a href="#">PubMed</a></li><li>2. Wondimu Z, <i>et al.</i> 2010. <i>Am. J. Pathol.</i> 177:2334. <a href="#">PubMed</a></li></ol>
<b>Product Citations</b>	<ol style="list-style-type: none"><li>1. Mamedov MR, <i>et al.</i> 2018. <i>Immunity.</i> 48:350. <a href="#">PubMed</a></li><li>2. Gawronska-Kozak B, <i>et al.</i> 2016. <i>PLoS One.</i> 11: 0150635. <a href="#">PubMed</a></li></ol>

### 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, GolnVivo™ 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

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

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