

**Purified Rat IgG1, κ Isotype Ctrl**

<b>Catalog # / Size:</b>	2602010 / 500 µg 2602005 / 50 µg
<b>Clone:</b>	RTK2071
<b>Isotype:</b>	Rat IgG1, κ
<b>Immunogen:</b>	Trinitrophenol + KLH
<b>Preparation:</b>	The antibody was purified by affinity chromatography.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Concentration:</b>	0.5

**Applications:**

<b>Applications:</b>	Other
<b>Recommended Usage:</b>	Each lot of this rat IgG1, κ isotype control antibody is quality control tested by immunofluorescent staining with flow cytometric analysis as negative control, and the purity is greater than 95% by SDS-PAGE. 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.
<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/microg).
<b>Application References:</b>	1. Riemann M, <i>et al.</i> 2005. <i>J. Immunol.</i> 175:3560. <a href="#">PubMed</a> 2. Wondimu Z, <i>et al.</i> 2010. <i>Am. J. Pathol.</i> 177:2334. <a href="#">PubMed</a>

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**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.