

**PE/Cy5 Rat IgG2b, κ Isotype Ctrl**

<b>Catalog # / Size:</b>	2603050 / 100 µg 2603045 / 25 µg
<b>Clone:</b>	RTK4530
<b>Isotype:</b>	Rat IgG2b, κ
<b>Immunogen:</b>	Trinitrophenol + KLH
<b>Preparation:</b>	The antibody was purified by affinity chromatography, and conjugated with PE/Cy5 under optimal conditions. The solution is free of unconjugated PE/Cy5 and unconjugated antibody.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Concentration:</b>	0.2

**Applications:**

<b>Applications:</b>	Flow Cytometry
<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.
<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 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 <i>in vivo</i> 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).
<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></ol>

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**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.