

Purified Rat IgG2b, κ Isotype Ctrl

Catalog # / Size:	2603010 / 500 µg 2603005 / 50 µg
Clone:	RTK4530
Isotype:	Rat IgG2b, κ
Immunogen:	Trinitrophenol + KLH
Preparation:	The immunoglobulin was purified by affinity chromatography.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	0.5

Applications:

Applications:	Other
Recommended Usage:	Each lot of this 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.
Application Notes:	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).
Application References:	<ol style="list-style-type: none">1. Cervantes-Barragan L, <i>et al.</i> 2007. <i>Blood</i> 109:1131.2. Zeiser R, <i>et al.</i> 2007. <i>Blood</i> 109:2225.3. Sasaki K, <i>et al.</i> 2008. <i>J. Immunol.</i> 181:104. PubMed4. Duan J, <i>et al.</i> 2008. <i>P. Natl. Acad. Sci. USA</i> 105:5183. PubMed5. Yi H, <i>et al.</i> 2009. <i>Blood</i> 113:5819. PubMed6. Schafer JS, <i>et al.</i> 2010. <i>J. Leukocyte Biol.</i> 87:301. PubMed7. Lei GS, <i>et al.</i> 2015. <i>Infect Immun.</i> 83:572. PubMed8. Richards J, <i>et al.</i> 2015. <i>Mol Cell Cardiol.</i> 79:21. PubMed

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.