

FITC Rat IgG2b, κ Isotype Ctrl

Catalog # / Size:	2603030 / 200 µg 2603025 / 50 µg 2603165 / 25 tests 2603170 / 100 tests
Clone:	RTK4530
Isotype:	Rat IgG2b, κ
Immunogen:	Trinitrophenol + KLH
Preparation:	The immunoglobulin was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.
Formulation:	test sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA). microg sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	test sizes: lot-specific; microg sizes: 0.5

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this rat IgG2b, κ isotype control antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, use the isotype control at the same concentration as your primary antibody. Use our Concentration Lookup tool to find the exact concentrations of your lots of product.
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:	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. PubMed 4. Duan J, <i>et al.</i> 2008. <i>P. Natl. Acad. Sci. USA</i> 105:5183. PubMed 5. Yi H, <i>et al.</i> 2009. <i>Blood</i> 113:5819. PubMed 6. Schafeer JS, <i>et al.</i> 2010. <i>J. Leukocyte Biol.</i> 87:301. PubMed 7. Reynolds AE, <i>et al.</i> 2015. <i>J Immunol.</i> 194:231. 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.