
PE/Fire™ 700 Rat IgG2b, κ Isotype Ctrl**Catalog # /** 2603440 / 100 µg**Size:** 2603435 / 25 µg**Clone:** RTK4530**Isotype:** Rat IgG2b, κ**Immunogen:** Trinitrophenol + KLH**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Fire™ 700 under optimal conditions.**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide**Concentration:** 0.2 mg/mL**Applications:****Applications:** Flow Cytometry, Intracellular Staining for Flow Cytometry**Recommended Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 1.0 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

* PE/Fire™ 700 has a maximum excitation of 650 nm and a maximum emission of 700 nm.

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 Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 400643, 400644, 400671, 400672, 400675, and 400676) as negative control.**Application References:**

1. Cervantes-Barragan L, *et al.* 2007. *Blood* 109:1131.
2. Zeiser R, *et al.* 2007. *Blood* 109:2225.
3. Sasaki K, *et al.* 2008. *J. Immunol.* 181:104. [PubMed](#)
4. Duan J, *et al.* 2008. *P. Natl. Acad. Sci. USA* 105:5183. [PubMed](#)
5. Yi H, *et al.* 2009. *Blood* 113:5819. [PubMed](#)
6. Schafeer JS, *et al.* 2010. *J. Leukocyte Biol.* 87:301. [PubMed](#)
7. Lei GS, *et al.* 2015. *Infect Immun.* 83:572. [PubMed](#)
8. Richards J, *et al.* 2015. *Mol Cell Cardiol.* 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.