SONY

Product Data Sheet

APC/Fire™ 810 Rat IgG2b, κ Isotype Ctrl

Catalog # / Size: 2603420 / 100 µg
2603415 / 25 µg

Clone: RTK4530

Isotype: Rat IgG2b, κ

Immunogen: Trinitrophenol + KLH

Preparation: The antibody was purified by affinity chromatography and conjugated with Spark Blue™ 550 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Workshop Number: 750 under optimal conditions.

Concentration: 0.2

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 as negative control. Use at concentrations comparable to those of the specific antibody of interest. Use our Concentration Lookup tool to find the exact concentrations of your lots of product.

* APC/Fire™ 810 has a maximum excitation of 650 nm and a maximum emission of 810 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

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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.

Antigen References:

1. Horbelt D, *et al*. 2010. *J Cell Sci*. 123:4340-50.
2. Wei CY, *et al*. 2015. *Int J Clin Exp Pathol*. 8:14619-29.
3. Numata S, *et al*. 2008. *J Psychiatr Res*. 42:425-32.

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