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Product Data Sheet

PE Rat IgG2b, λ Isotype Ctrl

Catalog # / Size: 2619015 / 25 µg
2619020 / 100 µg

Clone: G013B8

Isotype: Rat IgG2b, λ

Immunogen: Trinitrophenol + KLH

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.

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

Concentration: 0.2

Applications:

Applications: 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 ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

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 this antibody is rat IgG2b, λ. This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.

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