SONY

Product Data Sheet

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: Flow Cytometry, Other, Intracellular Staining for Flow Cytometry, Immunocytochemistry, Immunoprecipitation

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 *in vivo* 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, *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.

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