

FITC Rat IgG2b, κ Isotype Ctrl

Catalog # / Size: 400633 / 25 tests
400605 / 50 μ g
400634 / 100 tests
400606 / 200 μ g

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).
 μ g sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: test sizes: lot-specific; μ g sizes: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. **Do not freeze.**

Applications:

Applications: FC, ICFC - *Quality tested*

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/ μ g, Azide-Free, 0.2 μ m 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/ μ g).

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

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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