

Pacific Blue™ Rat IgG2b, κ Isotype Ctrl

Catalog # / Size: 2603135 / 100 µg
Clone: RTK4530
Isotype: Rat IgG2b, κ
Immunogen: Trinitrophenol + KLH
Preparation: The immunoglobulin was purified by affinity chromatography, and conjugated with Pacific Blue™ under optimal conditions. The solution is free of unconjugated Pacific Blue™.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5

Applications:

Applications: Flow Cytometry
Recommended Usage: This reagent is developed for immunofluorescent staining for flow cytometric analysis as negative control. Use at concentrations comparable to those of the specific antibody of interest. It is highly recommended that the reagent be titrated for optimal performance for each application.

* Pacific Blue™ has a maximum emission of 455 nm when it is excited at 405 nm. Prior to using Pacific Blue™ conjugate for flow cytometric analysis, please verify your flow cytometer's capability of exciting and detecting the fluorochrome.

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](#)

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.