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**Biotin Rat IgG1,  $\kappa$  Isotype Ctrl**

**Catalog # / Size:** 2602015 / 50  $\mu$ g  
2602020 / 200  $\mu$ g

**Clone:** RTK2071

**Isotype:** Rat IgG1,  $\kappa$

**Immunogen:** Trinitrophenol + KLH

**Preparation:** The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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

**Concentration:** 0.5

**Applications:**

**Applications:** 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.

**Application Notes:** The RTK2071 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/ $\mu$ g, Azide-Free, 0.2  $\mu$ m filtered) is recommended for functional assays (Cat. No. 400414) as negative control<sup>1</sup>. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400432) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

**Application References:** 1. Riemann M, *et al.* 2005. *J. Immunol.* 175:3560. [PubMed](#)  
2. Wondimu Z, *et al.* 2010. *Am. J. Pathol.* 177:2334. [PubMed](#)

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**Description:** The isotype of RTK2071 immunoglobulin is rat IgG1,  $\kappa$ . This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.