

**Alexa Fluor® 488 Rat IgG2c, κ Isotype Ctrl**

**Catalog # / Size:** 2603575 / 25 µg  
**Clone:** RTK4174  
**Isotype:** Rat IgG2c, κ  
**Immunogen:** Trinitrophenol + KLH  
**Preparation:** The immunoglobulin was purified by affinity chromatography, and conjugated with Alexa Fluor® 488 under optimal conditions.  
**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.

**Application Notes:** The RTK4174 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. 400710) as negative control.

**Application References:** 1. Ganeshah K, *et al.* 2012. *J. Immunol.* 188:594. [PubMed](#)  
2. D'Agostino PM, *et al.* 2012. *PNAS.* 109:6175. [PubMed](#)

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**Description:** The isotype of RTK4174 immunoglobulin is rat IgG2c, 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.