

APC/Fire™ 750 Rat IgG1, κ isotype Ctrl

Catalog # / Size:	2602280 / 100 µg 2602275 / 25 µg
Clone:	RTK2071
Isotype:	Rat IgG1, κ
Immunogen:	Trinitrophenol + KLH
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC/Fire&trade
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Workshop Number:	750 under optimal conditions.
Concentration:	0.2 mg/ml

Applications:

Applications: Flow Cytometry, Intracellular Staining for Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* APC/Fire™ 750 has a maximum excitation of 650 nm and a maximum emission of 787 nm.

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/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 400414) as negative control¹. 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/µg).

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](#)

Description: The isotype of RTK2071 immunoglobulin is rat IgG1, 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.