
Alexa Fluor® 647 Rat IgG2a, κ Isotype Ctrl

Catalog # / Size:	2602630 / 100 µg
Clone:	RTK2758
Isotype:	Rat IgG2a, κ
Immunogen:	Trinitrophenol + KLH
Reactivity:	Other
Preparation:	The immunoglobulin was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 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 rat IgG2a, κ isotype control 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.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm.

Application Notes: The RTK2758 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, immunofluorescence microscopy, immunocytochemistry and immunofluorescent staining (surface or intracellular) for flow cytometric analysis. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 400516) as negative control. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400544) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

Application References:

1. Nishimoto H, *et al.* 2005. *Blood* 106:4241.
2. Seach N, *et al.* 2008. *J. Immunol.* 180:5384. [PubMed](#)
3. Jiang P, *et al.* 1999. *J. Biol. Chem.* 274:559. (FA)
4. Davis FM, *et al.* 2015. *PNAS.* 112:5827. [PubMed](#)

Description: The RTK2758 immunoglobulin reacts with KLH. The isotype of this antibody is rat IgG2a, 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.