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# Product Data Sheet

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## KIRAVIA Blue 520™ Rat IgG1, κ isotype Ctrl

**Catalog # /** 2602315 / 25 µg  
**Size:** 2602320 / 100 µg

**Clone:** RTK2071

**Isotype:** Rat IgG1, κ

**Immunogen:** Trinitrophenol + KLH

**Preparation:** The antibody was purified by affinity chromatography and conjugated with KIRAVIA Blue 520™ under optimal conditions.

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

**Concentration:** 0.2 mg/mL

### Applications:

**Applications:** 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.

\* KIRAVIA Blue 520™ has an excitation maximum of 495 nm, and a maximum emission of 520 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.

**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, 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.