SONY

# Product Data Sheet

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

**Catalog # / Size:** 2612040 / 100 tests
2612035 / 25 tests

**Clone:** MOPC-21

**Isotype:** Mouse IgG1, κ

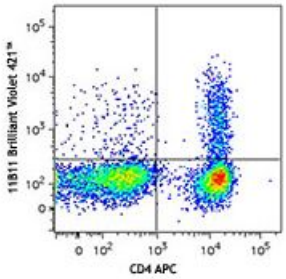
**Immunogen:** Partially purified native mouse IL-4

**Reactivity:** Mouse

**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 and BSA (origin USA).

**Concentration:** Lot-specific



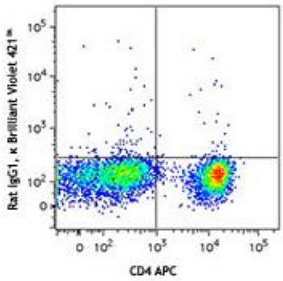

PMA+ionomycin-stimulated (6 hours, in presence of brefeldin A) Th2-polarized C57BL/6 T cells were surface stained with CD4 APC and then intracellularly stained with IL-4 ( clone 11B11) Brilliant Violet 421™ (top) or rat IgG1, κBrilliant Violet 421™ isotype control (bottom).

## 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.

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




**Application Notes:** Additional reported applications (for the relevant formats) include: Intracellular Flow Cytometry (ICFC), Immunocytochemistry (ICC), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blotting (WB), Functional Assay (FA)

**Application References:**


1. Carlsten M, *et al.* 2007. *Cancer Res.* 67:1317. PubMed
2. Smed-Sörensen A, *et al.* 2008. *Blood* 111:5037. PubMed (FA)
3. Bunesmann MM, *et al.* 2011. *Am. J. Respir. Cell. Mol. Biol.* Epub. PubMed
4. Matsuyama T, *et al.* 2005. *Infect. Immun.* 73:1044. (IF)
5. Correia DV, *et al.* 2011. *Blood* 118:992. (FC) PubMed
6. Lian IA, *et al.* 2011. *Placenta.* 32:823. PubMed
7. Bufe B, *et al.* 20015. *J Biol Chem.* 290:7369. PubMed



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**Description:** The MOPC-21 immunoglobulin has unknown specificity. The isotype of this antibody is mouse 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.

**Antigen References:**

1. Fitzgerald K, *et al.* Eds. 2001. The Cytokine FactsBook. Academic Press San Diego.
2. Boulay J, *et al.* 1992. *Curr. Opin. Immunol.* 4:294.
3. Dullens H, *et al.* 1991. *In vivo* 5:567.
4. Paul W. 1991. *Blood* 77:1859.

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