

**PE/Dazzle™ 594 Mouse IgG1, κ Isotype Ctrl**

**Catalog # / Size:** 2600885 / 25 µg  
2600875 / 25 tests  
  
2600880 / 100 tests  
  
2600890 / 100 µg

**Clone:** MOPC-21

**Isotype:** Mouse IgG1, κ

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

**Formulation:** microg sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.  
test sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

**Concentration:** microg sizes: 0.2 mg/ml  
test sizes: lot-specific

**Applications:**

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this mouse IgG1, κ isotype control antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, use the isotype control at the same concentration as your primary antibody. Use our [Concentration Lookup](#) tool to find the exact concentrations of your lots of product.

\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

**Application Notes:** The MOPC-21 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. 400124) as negative control. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400166) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

**Application References:**

1. Carlsten M, *et al.* 2007. *Cancer Res.* 67:1317. [PubMed](#)
2. Smed-Sørensen 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](#)

**Description:** The MOPC-21 immunoglobulin has unknown specificity. The isotype of this antibody is mouse IgG1,  $\kappa$ . This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.