
Brilliant Violet 650™ Mouse IgG1, κ Isotype Ctrl

Catalog # / Size:	2600820 / 100 tests 2600815 / 25 tests
Clone:	MOPC-21
Isotype:	Mouse IgG1, κ
Preparation:	The immunoglobulin was purified by affinity chromatography and conjugated with Brilliant Violet 650™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 650™ and unconjugated immunoglobulin.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration:	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.

Brilliant Violet 650™ excites at 405 nm and emits at 645 nm. The bandpass filter 660/20 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. **Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel.** Refer to your instrument manual or manufacturer for support. Brilliant Violet 650™ is a trademark of Sirigen Group Ltd.

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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 <i>in vivo</i> 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).
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Application References:	<ol style="list-style-type: none">1. Carlsten M, <i>et al.</i> 2007. <i>Cancer Res.</i> 67:1317. PubMed2. Smed-Sørensen A, <i>et al.</i> 2008. <i>Blood</i> 111:5037. PubMed (FA)3. Bunesmann MM, <i>et al.</i> 2011. <i>Am. J. Respir. Cell. Mol. Biol.</i> Epub. PubMed4. Matsuyama T, <i>et al.</i> 2005. <i>Infect. Immun.</i> 73:1044. (IF)
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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](#)

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.