
Brilliant Violet 785™ Mouse IgG1, κ Isotype Ctrl

Catalog # / Size:	2600850 / 100 tests 2600845 / 25 tests
Clone:	MOPC-21
Isotype:	Mouse IgG1, κ
Preparation:	The immunoglobulin was purified by affinity chromatography and conjugated with Brilliant Violet 785™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 785™ 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 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.

Brilliant Violet 785™ excites at 405 nm and emits at 785 nm. The bandpass filter 780/60 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 785™ 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:	1. Carlsten M, <i>et al.</i> 2007. <i>Cancer Res.</i> 67:1317. PubMed 2. 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. PubMed 4. Matsuyama T, <i>et al.</i> 2005. <i>Infect. Immun.</i> 73:1044. (IF) 5. Correia DV, <i>et al.</i> 2011. <i>Blood</i> 118:992. (FC) PubMed 6. Lian IA, <i>et al.</i> 2011. <i>Placenta.</i> 32:823. 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.