
Brilliant Violet 711™ Mouse IgG2a, κ Isotype Ctrl

Catalog # / Size:	2601355 / 25 tests 2601360 / 100 tests
Clone:	MOPC-173
Isotype:	Mouse IgG2a, κ
Preparation:	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 711™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 711™ and unconjugated antibody.
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. Use our Concentration Lookup tool to find the exact concentrations of your lots of product.

Brilliant Violet 711™ excites at 405 nm and emits at 711 nm. The bandpass filter 710/50 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 711™ is a trademark of Sirigen Group Ltd.

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Application Notes:	The MOPC-173 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, and immunofluorescence microscopy. The LEAF™ purified antibody (Endotoxin <0.1 EU/μg, Azide-Free, 0.2 μm filtered) is recommended for functional assays (Cat. No. 400224) as negative control. For <i>in vivo</i> studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400264) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).
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Application References:	1. Luckashenak NA, <i>et al.</i> 2006. <i>J. Immunol.</i> 177:5177. 2. Burman AC, <i>et al.</i> 2007. <i>Blood</i> 110:1064. 3. Goo SY, <i>et al.</i> 2007. <i>J. Biol. Chem.</i> doi:10.1074/jbc.M701876200. 4. Podolin PL, <i>et al.</i> 2008. <i>J. Immunol.</i> 180:7989. PubMed 5. Ohno Y, <i>et al.</i> 2013. <i>J Biochem.</i> 154:355. PubMed
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Description: The MOPC-173 immunoglobulin has unknown specificity. The isotype of this antibody is mouse IgG2a, 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.