

**Brilliant Violet 510™ Mouse IgG2a, κ Isotype Ctrl**

<b>Catalog # / Size:</b>	2601340 / 100 tests 2601335 / 25 tests
<b>Clone:</b>	MOPC-173
<b>Isotype:</b>	Mouse IgG2a, κ
<b>Preparation:</b>	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 510™ under optimal conditions. The solution is free of unconjugated Brilliant Violet 510™ and unconjugated antibody.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
<b>Concentration:</b>	Lot-specific

**Applications:**

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	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.

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<b>Application Notes:</b>	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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<b>Application References:</b>	<ol style="list-style-type: none"><li>1. Luckashenak NA, <i>et al.</i> 2006. <i>J. Immunol.</i> 177:5177.</li><li>2. Burman AC, <i>et al.</i> 2007. <i>Blood</i> 110:1064.</li><li>3. Goo SY, <i>et al.</i> 2007. <i>J. Biol. Chem.</i> doi:10.1074/jbc.M701876200.</li><li>4. Podolin PL, <i>et al.</i> 2008. <i>J. Immunol.</i> 180:7989. <a href="#">PubMed</a></li><li>5. Ohno Y, <i>et al.</i> 2013. <i>J Biochem.</i> 154:355. <a href="#">PubMed</a></li></ol>
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<b>Description:</b>	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.
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