

PE/Cy7 Mouse IgG2a, κ Isotype Ctrl Antibody

Catalog# / Size	400253 / 25 µg 400231 / 25 tests 400254 / 100 µg 400232 / 100 tests
Clone	MOPC-173 (See other available formats)
Isotype	Mouse IgG2a, κ
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.

Product Details

Antibody Type	Monoclonal
Host Species	Mouse
Formulation	µg format: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Test format: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide, 0.2% (w/v) BSA (USA origin).
Preparation	The antibody was purified by affinity chromatography, and conjugated with PE/Cy7 under optimal conditions. The solution is free of unconjugated PE/Cy7 and unconjugated antibody.
Concentration	µg sizes: 0.2 mg/ml test sizes: lot-specific (please contact technical support for concentration and total µg amount)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC, ICFC - Quality tested
Recommended Usage	Each lot of this mouse IgG2a, 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.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
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/µg).
Application References	<ol style="list-style-type: none"> Luckashenak NA, et al. 2006. J. Immunol. 177:5177. Burman AC, et al. 2007. Blood 110:1064. Goo SY, et al. 2007. J. Biol. Chem. doi:10.1074/jbc.M701876200. Podolin PL, et al. 2008. J. Immunol. 180:7989. PubMed Ohno Y, et al. 2013. J Biochem. 154:355. PubMed
(PubMed link indicates BioLegend citation)	
Product Citations	<ol style="list-style-type: none"> Subhi Y, et al. 2017. Invest Ophthalmol Vis Sci.. 58(12):5242-5250. PubMed

Related FAQs

IgG2a gene is deleted in some mouse strains, which ones are they?

IgG2a gene is deleted in C57Bl/6, C57Bl/ 10, SJL, and NOD mice. It is replaced with IgG2c gene instead.

Other Formats

APC Mouse IgG2a, κ Isotype Ctrl, Biotin Mouse IgG2a, κ Isotype Ctrl, FITC Mouse IgG2a, κ Isotype Ctrl, LEAF™ Purified Mouse IgG2a, κ Isotype Ctrl, PE Mouse IgG2a, κ Isotype Ctrl, PE/Cy5 Mouse IgG2a, κ Isotype Ctrl, Purified Mouse IgG2a, κ Isotype Ctrl, APC/Cy7 Mouse IgG2a, κ Isotype Ctrl, Alexa Fluor® 647 Mouse IgG2a, κ Isotype Ctrl, Alexa Fluor® 488 Mouse IgG2a, κ Isotype Ctrl, Pacific Blue™ Mouse IgG2a, κ Isotype Ctrl, Alexa Fluor® 488 Mouse IgG2a, κ Isotype Ctrl (ICFC), Alexa Fluor® 647 Mouse IgG2a, κ Isotype Ctrl (ICFC), FITC Mouse IgG2a, κ Isotype Ctrl (ICFC), PE Mouse IgG2a, κ Isotype Ctrl (ICFC), APC Mouse IgG2a, κ Isotype Ctrl (ICFC), FITC Mouse IgG2a, κ Isotype Ctrl (FC), PE Mouse IgG2a, κ Isotype Ctrl (FC), APC Mouse IgG2a, κ Isotype Ctrl (FC), Brilliant Violet 605™ Mouse IgG2a, κ Isotype Ctrl, Alexa Fluor® 700 Mouse IgG2a, κ Isotype Ctrl, PerCP Mouse IgG2a, κ Isotype Ctrl, PerCP/Cy5.5 Mouse IgG2a, κ Isotype Ctrl, Brilliant Violet 421™ Mouse IgG2a, κ Isotype Ctrl, Brilliant Violet 570™ Mouse IgG2a, κ Isotype Ctrl, Ultra-LEAF™ Purified Mouse IgG2a, κ Isotype Ctrl, Brilliant Violet 510™ Mouse IgG2a, κ Isotype Ctrl, Brilliant Violet 650™ Mouse IgG2a, κ Isotype Ctrl, Brilliant Violet 711™ Mouse IgG2a, κ Isotype Ctrl, Brilliant Violet 785™ Mouse IgG2a, κ Isotype Ctrl, PE/Dazzle™ 594 Mouse IgG2a, κ Isotype Ctrl, Alexa Fluor® 594 Mouse IgG2a, κ Isotype Ctrl, FITC Mouse IgG2a, κ Isotype Ctrl, APC/Fire™ 750 Mouse IgG2a, κ Isotype Ctrl, TotalSeq™-A0091 Mouse IgG2a, κ isotype Ctrl, Go-ChIP-Grade™ Purified Mouse IgG2a, κ isotype Ctrl

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BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587