

## PE/Cy7 Mouse IgG2a, κ Isotype Ctrl

**Catalog # / Size:** 400231 / 25 tests  
400253 / 25 µg  
400232 / 100 tests  
400254 / 100 µg

**Clone:** MOPC-173

**Isotype:** Mouse IgG2a, κ

**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.

**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).

**Concentration:** test sizes: lot-specific; µg size: 0.2 mg/ml

**Storage:** The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. **Do not freeze.**

## Applications:

**Applications:** 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.

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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 *in vivo* 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:**

1. Luckashenak NA, *et al.* 2006. *J. Immunol.* 177:5177.
2. Burman AC, *et al.* 2007. *Blood* 110:1064.
3. Goo SY, *et al.* 2007. *J. Biol. Chem.* doi:10.1074/jbc.M701876200.
4. Podolin PL, *et al.* 2008. *J. Immunol.* 180:7989. PubMed
5. Ohno Y, *et al.* 2013. *J Biochem.* 154:355. PubMed

**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.

**Related Products:** **Product**  
Cell Staining Buffer

**Clone**

**Application**  
FC, ICC, ICFC



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