SONY

Product Data Sheet

PE/Cyanine5 Mouse IgG2a, κ Isotype Ctrl

Catalog # / Size: 2601090 / 100 tests
2601075 / 25 µg
2601085 / 25 tests

Clone: MOPC-173

Isotype: Mouse IgG2a, κ

Preparation: The antibody was purified by affinity chromatography, and conjugated with PE/Cy5 under optimal conditions.

Formulation: test sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA). µg sizes: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

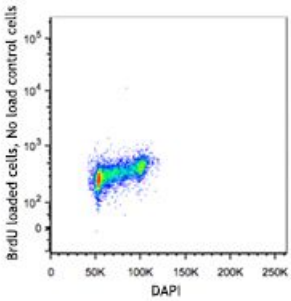
Workshop Number: HCDM listed

Concentration: Lot-specific

Applications:

Applications: Flow Cytometry, Intracellular Staining for Flow Cytometry

Recommended Usage: Each lot of this mouse IgG2a, κisotype 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.



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/microg).

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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.

Antigen References:

1. Dundas CM, *et al.* 2013. *Appl. Microbiol. Biotechnol.* 97:9343.
2. Zhao X, *et al.* 2013. *J. Anal. Methods Chem.* 2013:581093.
3. Kaplan DL, *et al.* 1999. *Biomol. Eng.* 16:135.
4. Wilbur DS, *et al.* 1999. *Biomol. Eng.* 16:113.
5. Sano T, *et al.* 1998. *J. Chromatogr. B. Biomed. Sci. Appl.* 715:85.

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