SONY

Product Data Sheet

FITC Mouse IgG2a, κ Isotype Ctrl

Catalog # / Size: 2601035 / 50 µg
2601040 / 200 µg

Clone: MOPC-173

Isotype: Mouse IgG2a, κ

Preparation: The immunoglobulin was purified by affinity chromatography, and conjugated with FITC under optimal conditions. The solution is free of unconjugated FITC.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5

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.

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).

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
6. Gurses KM, *et al.* 2014. *Atherosclerosis.* 237:749. 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.

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