SONY

Product Data Sheet

PerCP/Cyanine5.5 Mouse IgG1, κ Isotype Ctrl

Catalog # / Size:	2600745 / 25 tests 2600750 / 100 tests
Clone:	MOPC-21
Isotype:	Mouse IgG1, κ
Reactivity:	Mouse
Preparation:	The immunoglobulin was purified by affinity chromatography, and conjugated with PerCP/Cy5.5 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Concentration:	Lot-specific

Applications:

Applications: Flow Cytometry, Intracellular Staining for Flow Cytometry

Recommended Usage: Each lot of this mouse IgG1, 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.

* PerCP/Cy5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: The MOPC-21 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, immunofluorescence microscopy, immunocytochemistry and immunofluorescent staining (surface or intracellular) for flow cytometric analysis. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 400124) as negative control. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400166) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

Application References:

1. Carlsten M, *et al.* 2007. *Cancer Res.* 67:1317. PubMed
2. Smed-Sörensen A, *et al.* 2008. *Blood* 111:5037. PubMed (FA)
3. Bunesmann MM, *et al.* 2011. *Am. J. Respir. Cell. Mol. Biol.* Epub. PubMed
4. Matsuyama T, *et al.* 2005. *Infect. Immun.* 73:1044. (IF)
5. Correia DV, *et al.* 2011. *Blood* 118:992. (FC) PubMed
6. Lian IA, *et al.* 2011. *Placenta.* 32:823. PubMed
7. Bufe B, *et al.* 20015. *J Biol Chem.* 290:7369. PubMed

Description: The MOPC-21 immunoglobulin has unknown specificity. The isotype of this antibody is mouse IgG1, 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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Antigen References:

1. Lanier LL. 1997. *Immunity* 6:371.
2. Yokoyama WM, *et al.* 1993. *Ann. Rev. Immunol.* 11:613.
3. Koo GC, *et al.* 1986. *J. Immunol.* 137:3742.
4. Giorda R, *et al.* 1991. *J. Immunol.* 147:1701.

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