SONY

# Product Data Sheet

## PE/Dazzle™ 594 Mouse IgG2b, κ Isotype Ctrl

**Catalog # / Size:** 2601800 / 100 µg
2601785 / 25 tests
2601790 / 100 tests
2601795 / 25 µg

**Clone:** MPC-11

**Isotype:** Mouse IgG2b, κ

**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.

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

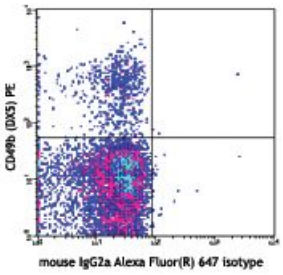
**Concentration:** Lot-specific

## Applications:

**Applications:** Flow Cytometry

**Recommended Usage:** Each lot of this mouse IgG2b, 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.

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

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**Application Notes:** The MPC-11 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. 400324) as negative control. For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 400348) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

**Application References:**


1. Smed-Sörensen A, *et al.* 2008. *Blood* 111:5037. (FA) PubMed
2. Podolin PL, *et al.* 2008. *J. Immunol.* 180:7989. (FC) PubMed
3. Peterson VM, et al. 2017. Nat. Biotechnol. 35:936. (PG)


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**Description:** The MPC-11 immunoglobulin has unknown specificity. 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. 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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