

# Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine5, eBioscience™

Product Details	
Size	100 Tests
Host/Isotype	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
Conjugate	PE-Cyanine5
Excitation/Emission Max	568/666 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1582270

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	0 Publication
Control (Ctrl)	Assay-Dependent	-

## Product Specific Information

**Description:** The monoclonal mouse IgG1 K immunoglobulin is useful as an isotype control.

**Applications Reported:** PE-Cy5 Mouse IgG1 K Isotype Control has been reported for use in flow cytometric analysis.

**Applications Tested:** This Mouse IgG1 K Isotype Control is offered in 2 formats: - µg size: This can be used at the same concentration as the experimental antibody. - test size: has been pre-titrated and tested by staining and flow cytometric analysis. This can be used at test size: 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells /test.

**Light sensitivity:** This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

**Fixation:** Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

**Excitation:** 488-561 nm; **Emission:** 667 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.

## 7 References

- Expression of CD27 and CD28 on T cells from the peripheral blood of patients with allergic rhinitis. *Exp Ther Med* (2020)
- Functionalization-dependent effects of cellulose nanofibrils on tolerogenic mechanisms of human dendritic cells. *Int J Nanomedicine* (2018)
- Psoriasis patients demonstrate HLA-Cw\*06:02 allele dosage-dependent T cell proliferation when treated with hair follicle-derived keratin 17 protein. *Sci Rep* (2018)
- Characteristics of doxorubicin-selected multidrug-resistant human leukemia HL-60 cells with tolerance to arsenic trioxide and contribution of leukemia stem cells. *Oncol Lett* (2018)
- Size-dependent effects of gold nanoparticles uptake on maturation and antitumor functions of human dendritic cells in vitro. *PLoS One* (2014)

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