

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

Product Details	
Size	100 Tests
Published Species	Human
Host/Isotope	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
Conjugate	PE-Cyanine5
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1582270

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	5 µL (0.25 µg)/test	4 Publications
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.

## 4 References

### Flow Cytometry (4)

#### Scientific reports

#### Psoriasis patients demonstrate HLA-Cw\*06:02 allele dosage-dependent T cell proliferation when treated with hair follicle-derived keratin 17 protein.

"15-4714 was used in Flow cytometry/Cell sorting to examine the Keratin 17 protein as the autoantigen in psoriasis, and the correlation between HLA-Cw\*06:02 allele dosage and the T cell response."

Authors: Yunusbaeva M, Valiev R, Bilalov F, Sultanova Z, Sharipova L, Yunusbayev B

**Species**

Not Applicable

**Dilution**

Not Cited

**Year**

2018

#### PloS one

#### Size-dependent effects of gold nanoparticles uptake on maturation and antitumor functions of human dendritic cells in vitro.

"15-4714 was used in Flow cytometry/Cell sorting to study the immunological effects of the internalisation of differently sized gold nanoparticles in a human dendritic cell model."

Authors: Tomi S, Đoki J, Vasiliji S, Ogrinc N, Rudolf R, Pelicon P, Vuevi D, Milosavljevi P, Jankovi S, Anžel I, Rajkovi J, Rupnik MS, Friedrich B, Coli M

**Species**

Human

**Dilution**

Not Cited

**Year**

2015

[View more Flow references on thermofisher.com](#)

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