

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

Product Details	
Size	50 µg
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	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_763651

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	Assay-Dependent	2 Publications
Control (Ctrl)	✓	Assay-Dependent	1 Publication

## 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 can be used at the same concentration as the experimental antibody.

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.

## 3 References

### Flow Cytometry (2)

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

Journal of immunological methods

#### An 11-color flow cytometric assay for identifying, phenotyping, and assessing endocytic ability of peripheral blood dendritic cell subsets in a single platform.

"15-4714 was used in Flow cytometry/Cell sorting to identify, phenotype, and assess endocytic ability of peripheral blood dendritic cell subsets in a single platform using an 11-color flow cytometric assay."

Authors: Wang JC, Kobie JJ, Zhang L, Cochran M, Mosmann TR, Ritchlin CT, Quataert SA

**Species**  
Human  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2009

### Control (1)

Retrovirology

#### B cells and monocytes from patients with active multiple sclerosis exhibit increased surface expression of both HERV-H Env and HERV-W Env, accompanied by increased seroreactivity.

"15-4714 was used as a Control in experiments to analyse HERV-H Env and HERV-W Env epitope expression on the surface of PBMCs from MS patients with active and stable disease."

Authors: Brudek T, Christensen T, Aagaard L, Petersen T, Hansen HJ, Møller-Larsen A

**Species**  
Human  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2009

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