

# Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine7, eBioscience™

| Product Details         |                                    |
|-------------------------|------------------------------------|
| Size                    | 25 µg                              |
| Host/Isotype            | Mouse / IgG1, kappa                |
| Class                   | Monoclonal                         |
| Type                    | Isotype Control                    |
| Clone                   | P3.6.2.8.1                         |
| Conjugate               | PE-Cyanine7                        |
| Excitation/Emission Max | 569/780 nm                         |
| Form                    | Liquid                             |
| Concentration           | 0.2 mg/mL                          |
| Purification            | Affinity chromatography            |
| Storage buffer          | PBS, pH 7.2                        |
| Contains                | 0.09% sodium azide                 |
| Storage conditions      | 4°C, store in dark, DO NOT FREEZE! |
| RRID                    | AB_657914                          |

| Applications          | Tested Dilution | Publications  |
|-----------------------|-----------------|---------------|
| Flow Cytometry (Flow) | Assay-Dependent | 0 Publication |
| Control (Ctrl)        | Assay-Dependent | 0 Publication |

## Product Specific Information

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

**Applications Reported:** PE-Cy7 Mouse IgG1, K Iso Cntrl has been reported for use in flow cytometric analysis.

**Applications Tested:** This P3.6.2.8.1 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This 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 (Product # 00-822-49) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) 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:** 775 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

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

## 36 References

Human CFTR deficient iPSC-macrophages reveal impaired functional and transcriptomic response upon *Pseudomonas aeruginosa* infection. *Front Immunol* (2024)

Indoxyl Sulfate Inhibits Osteogenesis in Bone Marrow Mesenchymal Stem Cells through the AhR/Hes1 Pathway. *Int J Mol Sci* (2024)

Preoperative immune checkpoint inhibition and cryoablation in early-stage breast cancer. *iScience* (2024)

TRAIL-dependent apoptosis of peritoneal mesothelial cells by NK cells promotes ovarian cancer invasion. *iScience* (2023)

Modeling of FAN1-Deficient Kidney Disease Using a Human Induced Pluripotent Stem Cell-Derived Kidney Organoid System. *Cells* (2023)

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