

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

Product Details

Size	100 µg
Host/Isotype	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
Conjugate	PE
Excitation/Emission Max	565/576 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_470060

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

Product Specific Information

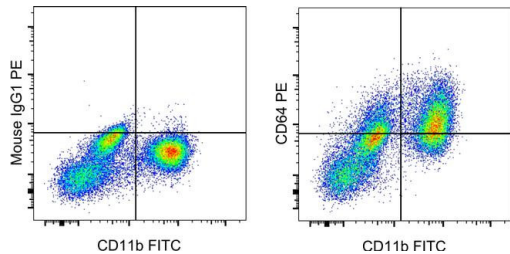
Description: The monoclonal mouse IgG1 K immunoglobulin is useful as an isotype control.

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

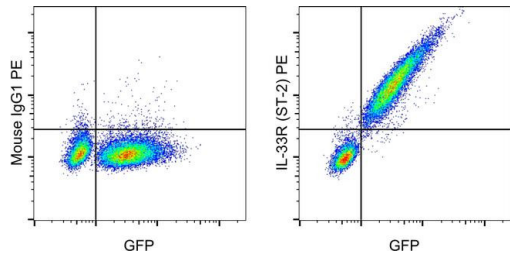
Applications Tested: This Mouse IgG1 K Isotype Control has been tested by flow cytometric analysis. Use isotype control at the same concentration as experimental antibody. - test size: has been pre-titrated and tested by flow cytometric analysis. This can be used at test size: 5 µL (0.5 µg) per test. 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 10⁵ to 10⁸ cells/test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

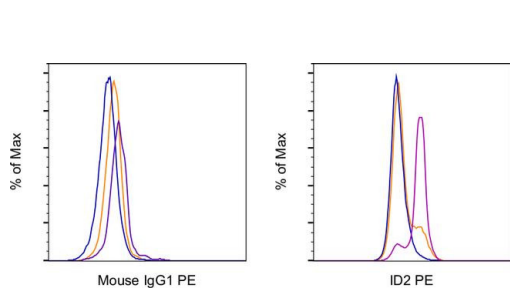
Filtration: 0.2 µm post-manufacturing filtered.



Mouse IgG1 kappa Isotype Control (12-4714-82) in Flow
BALB/c mouse bone marrow cells were Fc blocked with CD16/CD32 Antibody (Product # 14-0161-82) and normal mouse serum, and stained with CD11b Monoclonal Antibody, FITC (Product # 11-0112-82) and 0.25 µg of Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (left) or 0.25 µg of CD64 Monoclonal Antibody, PE (right). All cells were used for analysis.



Mouse IgG1 kappa Isotype Control (12-4714-82) in Flow
HEK293T cells were transduced to express IL-33R-GFP fusion protein. The cells were then stained with Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (left panel) or IL-33R (ST2) Monoclonal Antibody, PE (right panel). Total viable cells were used for analysis.



Mouse IgG1 kappa Isotype Control (12-4714-82) in Flow
C57BL/6 mouse splenocytes were stained intracellularly, using the Foxp3 /Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol, with either 1.0 µg of Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (left) or 1.0 µg of ID2 Monoclonal Antibody, PE (right). Cells were co-stained and gated based on the expression of both NK1.1 Monoclonal Antibody, APC (Product # 17-5941-82) and CD49b Monoclonal Antibody, APC (Product # 17-5971-82) (purple histogram); CD45R Monoclonal Antibody, PerCP-Cyanine5.5 (Product # 45-0452-82) (blue histogram); CD4 Monoclonal Antibody, FITC (Product # 11-0042-82) (orange histogram). Cells in the lymphocyte gate were used for analysis.

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49 References

Comparison of retinal degeneration treatment with four types of different mesenchymal stem cells, human induced pluripotent stem cells and RPE cells in a rat retinal degeneration model. J Transl Med (2023)

Co-cultures of colon cancer cells and cancer-associated fibroblasts recapitulate the aggressive features of mesenchymal-like colon cancer. Front Immunol (2023)

Establishing a novel and sensitive assay for bioactivity determination of anti-CD25 antibodies. Heliyon (2023)

Whole Blood Procoagulant Platelet Flow Cytometry Protocol for Heparin-Induced Thrombocytopenia (HIT) and Vaccine-Induced Immune Thrombotic Thrombocytopenia (VITT) Testing. Methods Mol Biol (2023)

CD95/Fas ligand mRNA is toxic to cells through more than one mechanism. Mol Biomed (2023)

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