

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
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_470060

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

Product Specific Information

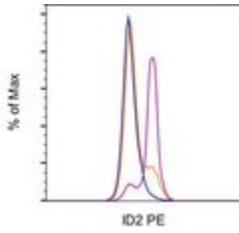
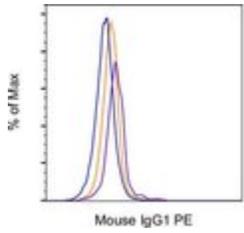
Description: The monoclonal mouse IgG1 K immunoglobulin is useful as an isotype control.

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.

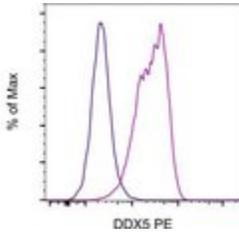
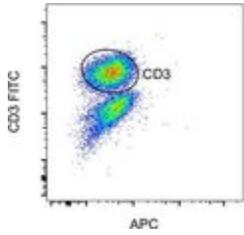
Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.



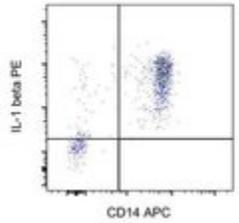
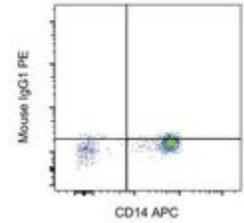
Mouse IgG1 kappa Isotype Control (12-4714-82) in Flow

C57BL/6 mouse splenocytes were stained intracellularly, using the Fxp3 /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.



Mouse IgG1 kappa Isotype Control (12-4714-82) in Flow

Normal human peripheral blood cells were stimulated for 1 day with the Cell Stimulation Cocktail (plus protein transport inhibitors) (Product # 00-4975-93) and stained with eBioscience Fixable Viability Dye eFluor 450 (Product #65-0863-14). Cells were then stained intracellularly, using the Fxp3/Transcription Factor Staining Buffer Set (Product # 00-5523-00) and protocol, with CD3 Monoclonal Antibody, FITC (Product # 11-0038-42) and Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (blue histogram) or DDX5 Monoclonal Antibody, PE (purple histogram). Live CD3 positive cells (left) were used for analysis.



Mouse IgG1 kappa Isotype Control (12-4714-82) in Flow

Normal human peripheral blood cells were stimulated for 4 hours with LPS (Product # 00-4976-03) in the presence of Brefeldin A (Product # 00-4506-51). Cells were then surface stained with CD14 Monoclonal Antibody, APC (Product # 17-0149-42), followed by intracellular staining using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol, with and Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (left) or CRM56 Monoclonal Antibody, PE (right). Cells in the monocyte gate were used for analysis.

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36 References

CD95/Fas protects triple negative breast cancer from anti-tumor activity of NK cells. *iScience* (2021)

Crosstalk between H1975 tumor cells and platelets to induce the proliferation, migration and tube formation of vascular endothelial cells. *Oncol Lett* (2021)

Glycemic control by umbilical cord-derived mesenchymal stem cells promotes effects of fasting-mimicking diet on type 2 diabetic mice. *Stem Cell Res Ther* (2021)

Epithelial to Mesenchymal Transition Regulates Surface PD-L1 via CMTM6 and CMTM7 Induction in Breast Cancer. *Cancers (Basel)* (2021)

Immunological status of peripheral blood is associated with prognosis in patients with bone and soft-tissue sarcoma. *Oncol Lett* (2021)

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