

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

Product Details	
Size	100 Tests
Host/Isotype	Mouse / IgG1, kappa
Class	Control
Type	Isotype Control
Clone	P3.6.2.8.1
Conjugate	PE
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_1944423

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	-
Control (Ctrl)	Assay-Dependent	-

Product Specific Information

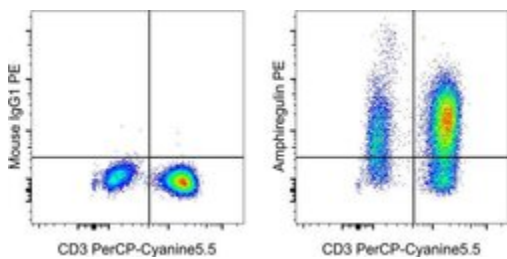
Description: The monoclonal mouse IgG1 K immunoglobulin is useful as an isotype control.

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 is offered in 2 formats: - µg size: 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 (12-4714-42) in Flow

Normal human peripheral blood lymphocytes were stimulated with Cell Stimulation Cocktail plus protein transport inhibitors (Product # 00-4975) overnight. Cells were fixed and stained intracellularly with Anti-Human CD3 PerCP-Cyanine5.5 (Product # 45-0036-42) and Mouse IgG1 K Isotype Control PE (Product # 12-4714-82) (left) or Anti-Human Amphiregulin PE (Product # 12-5370) (right) using the Intracellular Fixation and Permeabilization Buffers set (Product # 88-8824). Viable cells the lymphocyte gate, as determined by Fixable Viability Dye eFluor® 506 (Product # 65-0866), were used for analysis.

137 References

The SARS-CoV-2 Spike protein disrupts human cardiac pericytes function through CD147 receptor-mediated signalling: a potential non-infective mechanism of COVID-19 microvascular disease. *Clin Sci (Lond)* (2021)

Changes in circulating exosome molecular profiles following surgery/(chemo)radiotherapy: early detection of response in head and neck cancer patients. *Br J Cancer* (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)

Hexavalent TRAIL Fusion Protein Eftozanermin Alfa Optimally Clusters Apoptosis-Inducing TRAIL Receptors to Induce On-Target Antitumor Activity in Solid Tumors. *Cancer Res* (2021)

Berberine modulates hyper-inflammation in mouse macrophages stimulated with polyinosinic-polycytidylic acid via calcium-CHOP/STAT pathway. *Sci Rep* (2021)

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