

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

Product Details	
Size	100 Tests
Published Species	Rat, Pig, Human, Mouse
Expression System	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
Control (Ctrl)	Assay-Dependent	5 Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	53 Publications
Immunocytochemistry (ICC)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

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

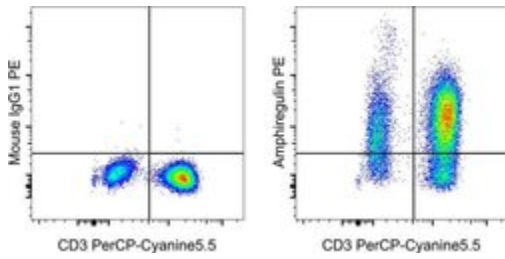
Applications Reported: PE Mouse IgG1 K Isotype Control has been reported for use in flow cytometric analysis.

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.

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



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.

Flow Cytometry (53)

Chinese medicine

Glossogyne tenuifolia (Hsiang-ju) extract suppresses T cell activation by inhibiting activation of c-Jun N-terminal kinase.

"12-4714 was used as a Control in experiments to study how anti-inflammatory effects exerted by GTE are mediated via suppression of JNK phosphorylation in T cell activation."

Authors: Houg JY,Tai TS,Hsu SC,Hsu HF,Hwang TS,Lin CJ,Fang LW

Species
Not Applicable

Dilution
1:50

Year
2020

Frontiers in immunology

TGF- Affects the Differentiation of Human GM-CSF⁺ CD4⁺ T Cells in an Activation- and Sodium-Dependent Manner.

"12-4714 was used in Flow cytometry/Cell sorting to study the environmental cues that promote differentiation of granulocyte-macrophage colony-stimulating factor producing T cells."

Authors: Éliás S,Schmidt A,Kannan V,Andersson J,Tegnér J

Species
Human

Dilution
Not Cited

Year
2019

[View more Flow references on thermofisher.com](#)

Control (5)

Stem cells translational medicine

Enforced Expression of HOXB4 in Human Embryonic Stem Cells Enhances the Production of Hematopoietic Progenitors but Has No Effect on the Maturation of Red Blood Cells.

"12-4714 was used in Flow cytometry/Cell sorting to investigate whether activation of exogenous HOXB4 promotes the production of more mature, definitive red blood cells."

Authors: Jackson M, Ma R, Taylor AH, Axton RA, Easterbrook J, Kydonaki M, Olivier E, Marenah L, Stanley EG, Elefany AG, Mountford JC, Forrester LM

Species
Human

Dilution
Not Cited

Year
2016

Molecular cancer therapeutics

Dual Agonist Surrobody Simultaneously Activates Death Receptors DR4 and DR5 to Induce Cancer Cell Death.

"12-4714 was used as a Control in experiments to investigate the use of dual agonist antibodies against DR4 and DR5 to induce cancer cell death, showing promise in future therapy."

Authors: Milutinovic S, Kashyap AK, Yanagi T, Wimer C, Zhou S, O'Neil R, Kurtzman AL, Faynboym A, Xu L, Hannum CH, Diaz PW, Matsuzawa S, Horowitz M, Horowitz L, Bhatt RR, Reed JC

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2016

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Misc (1) ICC (1)

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