

Mouse IgG2b kappa Isotype Control (eBMG2b), PE, eBioscience™

Product Details	
Size	50 µg
Published Species	Rat, Pig, Human, Mouse
Host/Isotype	Mouse / IgG2b, kappa
Class	Control
Type	Isotype Control
Clone	eBMG2b
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_763659

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay-Dependent	5 Publications
Control (Ctrl)	Assay-Dependent	2 Publications

Product Specific Information

Description: The monoclonal mouse IgG2b, kappa is useful as an isotype control immunoglobulin.

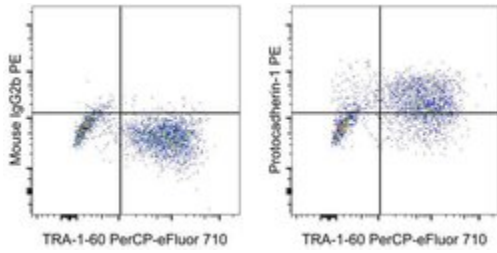
Applications Reported: This mouse IgG2b isotype control has been reported for use in flow cytometric analysis.

Applications Tested: This Mouse IgG2b K Isotype Control has been tested by flow cytometric analysis of normal human peripheral blood cells and can be used at the same concentration as the experimental antibody.

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

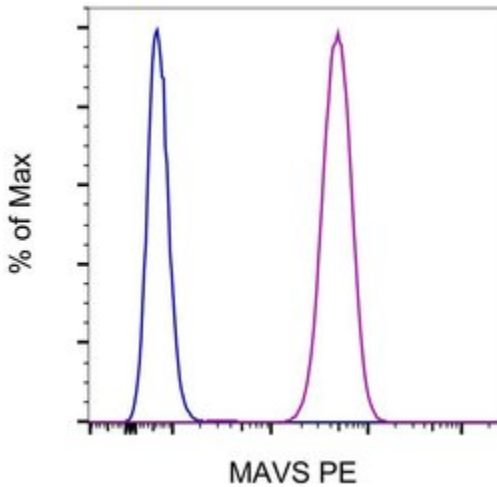
Filtration: 0.2 µm post-manufacturing filtered.

Product Images For Mouse IgG2b kappa Isotype Control (eBMG2b), PE, eBioscience™



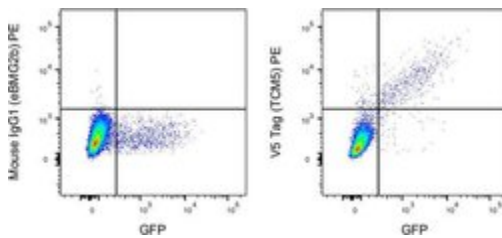
Mouse IgG2b kappa Isotype Control (12-4732-81) in Flow

Staining of a mixture of normal human iPSC and the murine C2C12 cell line with Anti-Human TRA-1-60 (Podocalyxin) PerCP-eFluor® 710 (Product # 46-8863-82) and Mouse IgG2b kappa Isotype Control, PE (Product # 12-4732-82) (left) or Anti-Human PCDH1 (Protocadherin 1) PE (right). Viable cells, as determined by Fixable Viability Dye eFluor® 450 (Product # 65-0863-14), were used for analysis.



Mouse IgG2b kappa Isotype Control (12-4732-81) in Flow

HEL cells were stained intracellularly, using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol, with Mouse IgG2b kappa Isotype Control, PE (Product # 12-4732-82) (blue histogram) or MAVS Monoclonal Antibody, PE (purple histogram). Total viable cells were used for analysis, as determined by Fixable Viability Dye eFluor 450 (Product # 65-0863-18).



Mouse IgG2b kappa Isotype Control (12-4732-81) in Flow

293T cells transfected with a construct co-expressing a GFP reporter gene and a V5-tagged surface protein were stained with mouse IgG2b kappa Isotype Control, PE (Product # 12-4732-82) (left) or V5 tag Monoclonal Antibody, PE (Product # 12-6796-42) (right). Total viable cells were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Flow Cytometry (5)

Experimental and therapeutic medicine

Effect of cold stress on immunity in rats.

"12-4732 was used in Flow cytometry/Cell sorting to determine the effect of a sudden ambient temperature drop on the levels of stress hormones and T-lymphocyte cytokines in the plasma of mice."

Authors: Hu GZ, Yang SJ, Hu WX, Wen Z, He D, Zeng LF, Xiang Q, Wu XM, Zhou WY, Zhu QX

Species
Rat

Dilution
Not Cited

Year
2016

Scientific reports

Platelets confound the measurement of extracellular miRNA in archived plasma.

"12-4732 was used in Flow cytometry/Cell sorting to show that a single freeze/thaw cycle of plasma dramatically increases the number of platelet-derived MPs, contaminates the extracellular miRNA pool, and profoundly affects the levels of miRNAs detected."

Authors: Mitchell AJ, Gray WD, Hayek SS, Ko YA, Thomas S, Rooney K, Awad M, Roback JD, Quyyumi A, Searles CD

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2016

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

Control (2)

Blood

PML4 facilitates erythroid differentiation by enhancing the transcriptional activity of GATA-1.

"12-4732 was used as a Control in experiments to determine the role promyelocytic leukemia protein (PML) plays in erythropoiesis- specifically PML4, a specific isoform expressed in erythroid cells."

Authors: Wu J, Zhou LQ, Yu W, Zhao ZG, Xie XM, Wang WT, Xiong J, Li M, Xue Z, Wang X, Zhang P, Mao BB, Hao DL, Lv X, Liu DP

Species
Human

Dilution
Not Cited

Year
2014

PLoS one

Soluble rank ligand produced by myeloma cells causes generalised bone loss in multiple myeloma.

"12-4732 was used as a Control in experiments to demonstrate that soluble RANKL causes generalised bone loss, suggesting that targeting RANKL may prevent osteoporosis in patients with myeloma."

Authors: Buckle CH, De Leenheer E, Lawson MA, Yong K, Rabin N, Perry M, Vanderkerken K, Croucher PI

Species
Mouse

Dilution
Not Cited

Year
2013

More applications with references on thermofisher.com

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