

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

## Product Details

Size	100 µg
Host/Isotype	Mouse / IgG2b, kappa
Class	Control
Type	Isotype Control
Clone	eBMG2b
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_470117

Applications	Tested Dilution	Publications
Western Blot (WB)	-	0 Publication
Immunohistochemistry (IHC)	-	0 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-Dependent	0 Publication
Immunocytochemistry (ICC/IF)	Assay-Dependent	0 Publication
Flow Cytometry (Flow)	Assay-Dependent	0 Publication
Immunoprecipitation (IP)	-	0 Publication
Functional Assay (FN)	-	0 Publication
Control (Ctrl)	Assay-Dependent	0 Publication
In vitro Assay (IV)	-	0 Publication
Miscellaneous PubMed (Misc)	-	0 Publication

## 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 surface and intracellular flow cytometric analysis, immunocytochemistry, immunohistochemistry.

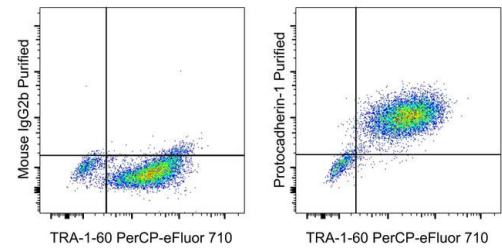
**Applications Tested:** This mouse IgG2b Isotype Control has been tested by flow cytometric analysis of normal human peripheral blood cells. Use isotype control at the same concentration as experimental antibody.

**Purity:** Greater than 90%, as determined by SDS-PAGE.

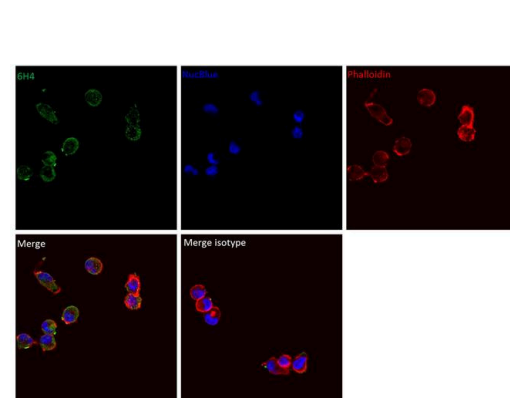
**Aggregation:** Less than 10%, as determined by HPLC.

**Filtration:** 0.2 µm post-manufacturing filtered.

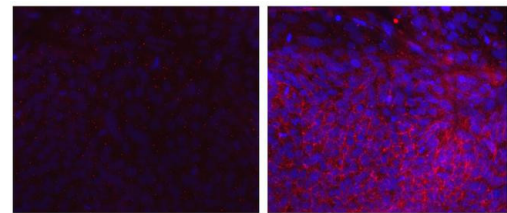
Product Images For Mouse IgG2b kappa Isotype Control (eBMG2b), eBioscience™



**Mouse IgG2b kappa Isotype Control (14-4732-82) 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 0.25 µg Mouse IgG2b kappa Isotype Control, Purified (Product # 14-4732-82) (left) or 0.25 µg of Anti-Human PCDH1 (Protocadherin 1) Purified (right) followed by F(ab')<sub>2</sub>-Goat anti-Mouse IgG PE (Product # 12-4010-82). Viable cells, as determined by Fixable Viability Dye eFluor® 450 (Product # 65-0863-14), were used for analysis



**Mouse IgG2b kappa Isotype Control (14-4732-82) in ICC/IF**  
Immunofluorescent analysis of transgenic SaCas9 expression (green) in A549 cells (60% confluency). The cells were fixed with 4% paraformaldehyde for 15 minutes at room temperature, permeabilized with 0.1% Triton X-100 for 10 minutes at 37 C and blocked with 10% Normal Donkey Serum in PBS with 0.1% Triton X-100 for 1 hour at room temperature. Cells were stained with 0.6 µg/mL SaCas9 Mouse Monoclonal Antibody, or 0.6 µg/mL Mouse IgG2b Isotype Control (Product # 14-4732-82) at 4 C, overnight, in blocking buffer, followed by Goat-anti Mouse IgG, Alexa Fluor Plus 488 (Product # A32723). Nuclei (blue) were stained with NucBlue™ stain in ProLong™ Glass Antifade Mountant with NucBlue™ Stain (Product # P36985), and the cytoskeleton was visualized using Rhodamine Phalloidin (red) (Product # R415). Images were acquired using a Zeiss confocal microscope at 40x magnification. The upper panel shows cells stained with clone 6H4. No non-specific staining was observed with Mouse IgG2b Isotype Control (lower panel, Merge isotype control).



**Mouse IgG2b kappa Isotype Control (14-4732-82) in ICC/IF**  
Immunocytochemistry of fixed and permeabilized human iPSCs plated on murine derived feeder cells using 5 µg/mL Mouse IgG2b K Isotype Control (Product # 14-4732-82) (left) or 5 µg/mL Anti-Human PCDH1 (Protocadherin 1) purified (right) followed by F(ab')<sub>2</sub>-Goat anti-Mouse IgG Secondary Antibody eFluor® 660 (Product # 50-4010-82). Nuclei are stained with DAPI.

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

**38 References**

LC3-dependent EV loading and secretion (LDELS) promotes TFRC (transferrin receptor) secretion via extracellular vesicles. Autophagy (2023)

The Anti-Glucocorticoid Receptor Antibody Clone 5E4: Raising Awareness of Unspecific Antibody Binding. Int J Mol Sci (2022)

Translation rescue by targeting Ppp1r15a upstream open reading frame i>in vivo/i> bioRxiv (2021)

The Epstein-Barr virus deubiquitinase BPLF1 targets SQSTM1/p62 to inhibit selective autophagy. Autophagy (2021)

Glyoxalase 1 and protein kinase C as potential therapeutic targets for late-stage breast cancer. Oncol Lett (2021)

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