

Mouse IgG2a kappa Isotype Control (eBM2a), PE-Cyanine5, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eBM2a
Conjugate	PE-Cyanine5
Excitation/Emission Max	568/666 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_657911

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay-Dependent	0 Publication
Control (Ctrl)	Assay-Dependent	-

Product Specific Information

Description: This is a monoclonal mouse IgG2a, kappa antibody. It is used as an isotype control for mouse IgG2a antibodies.

Applications Reported: PE-Cy5 Mouse IgG2a, K Iso Cntrl has been reported for use in flow cytometric analysis.

Applications Tested: Has been pre-titrated and tested by staining and flow cytometric analysis. This can be used at test size: 5 µL (0.25 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.

Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-57) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; **Emission:** 667 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

2 References

Demonstration of doxorubicin's cardiotoxicity and screening using a 3D bioprinted spheroidal droplet-based system. RSC Adv (2023)

Development of an extrusion-based 3D-printing strategy for clustering of human neural progenitor cells. Heliyon (2022)

Structural basis for tuning activity and membrane specificity of bacterial cytolysins bioRxiv (2020)

Zika virus infects human blood mononuclear cells. BMC Infect Dis (2019)

Effect of cold stress on immunity in rats. Exp Ther Med (2016)

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