

# Mouse IgG2a kappa Isotype Control (eBM2a), PE-Cyanine7, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Mouse / IgG2a, kappa
Class	Control
Type	Isotype Control
Clone	eBM2a
Conjugate	PE-Cyanine7
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_470203

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

## Product Specific Information

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

**Applications Reported:** This eBM2a antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This eBM2a antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. Use isotype control at the same concentration as experimental antibody.

**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 (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix /Lyse Solution (cat. 00-5333) 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:** 775 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

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

### 3 References

Proteome Instability Is a Therapeutic Vulnerability in Mismatch Repair-Deficient Cancer. *Cancer Cell* (2020)

Dengue immune sera enhance Zika virus infection in human peripheral blood monocytes through Fc gamma receptors. *PLoS One* (2018)

The CXCR4 antagonist plerixafor (AMD3100) promotes proliferation of Ewing sarcoma cell lines in vitro and activates receptor tyrosine kinase signaling. *Cell Commun Signal* (2018)

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