

Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine7, eBioscience™

Product Details	
Size	100 µg
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eBR2a
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 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_470200

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

Product Specific Information

Description: The monoclonal rat IgG2a is useful as an isotype control immunoglobulin.

Applications Reported: PE-Cy7 Rat IgG2a Iso Cntrl has been reported for use in flow cytometric analysis.

Applications Tested: This eBR2a antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at the same concentration as the 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 (Product # 00-822-49) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) 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.

33 References

- PD-L1 positive astrocytes attenuate inflammatory functions of PD-1 positive microglia in models of autoimmune neuroinflammation. *Nat Commun* (2023)
- Pexidartinib synergize PD-1 antibody through inhibiting treg infiltration by reducing TAM-derived CCL22 in lung adenocarcinoma. *Front Pharmacol* (2023)
- Isolation and characterization mesenchymal stem cells from red panda (*Ailurus fulgens styani*) endometrium. *Conserv Physiol* (2022)
- Link between aging and atheroprotection in *i>Mif/i>*-deficient atherosclerotic mice *bioRxiv* (2021)
- Icariin Alleviates Wear Particle-Induced Periprosthetic Osteolysis via Down-Regulation of the Estrogen Receptor -mediated NF- κ B Signaling Pathway in Macrophages. *Front Pharmacol* (2021)

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