

# Rat IgG2a kappa Isotype Control (eBR2a), PE-Cyanine5, eBioscience

Product Details	
Size	25 µg
Published Species	Bovine
Host/Isotype	Rat / IgG2a, kappa
Class	Control
Type	Isotype Control
Clone	eBR2a
Conjugate	PE-Cyanine5
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_657908

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	Assay-Dependent	1 Publication
Control (Ctrl)	Assay-Dependent	-

## Product Specific Information

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

Applications Reported: This rat IgG2a isotype control has been reported for use in flow cytometric analysis and ELISA.

Applications Tested: Rat IgG2a Isotype Contrl 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 (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: 667 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Flow Cytometry (1)

Clinical and vaccine immunology : CVI

### Loss of Immunization-Induced Epitope-Specific CD4 T-Cell Response following Anaplasma marginale Infection Requires Presence of the T-Cell Epitope on the Pathogen and Is Not Associated with an Increase in Lymphocytes Expressing Known Regulatory Cell Phenotypes.

"15-4321 was used in Flow cytometry/Cell sorting to study the induction of T-cell exhaustion following infection with A. marginale and study the correlation with an increase in CD4(+) CD25(+) Foxp3(+) T cells."

Authors: Brown WC, Turse JE, Lawrence PK, Johnson WC, Scoles GA, Deringer JR, Suttan EL, Han S, Norimine J

**Species**  
Bovine

**Dilution**  
Not Cited

**Year**  
2015

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