

# Rat IgG2a kappa Isotype Control (eBR2a), Brilliant Ultra Violet 805, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Rat / IgG2a, kappa
Class	Control
Type	Isotype Control
Clone	eBR2a
Conjugate	Brilliant Ultra Violet™ 805
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!

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

## Product Specific Information

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

**Applications Reported:** This eBR2a antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This eBR2a antibody has been tested by flow cytometric analysis of mouse splenocytes and normal human peripheral blood cells and should be used at the same concentration as the experimental antibody.

Brilliant Ultra Violet™ 805 (BUV805) is a tandem dye that emits at 797 nm and is intended for use on cytometers equipped with an ultraviolet (355 nm) laser. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright, Brilliant Violet™, Brilliant Ultra Violet™, or other polymer dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) or Brilliant Stain Buffer (Product # 00-4409-75) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer or Brilliant Stain Buffer for more information.

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

**Fixation:** Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 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.

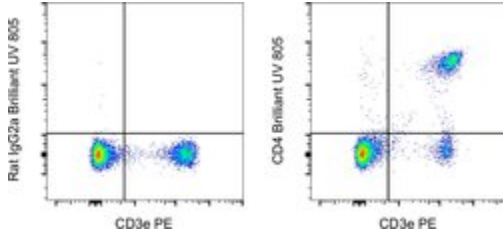
Our internal testing suggests that Brilliant Ultra Violet™ 805 (BUV805) is compatible with short-term methanol-based fixation, but

should not be stored in buffers containing methanol for longer than one hour.

Excitation: 355 nm; Emission: 797 nm; Laser: Ultraviolet Laser.

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## Product Images For Rat IgG2a kappa Isotype Control (eBR2a), Brilliant Ultra Violet 805, eBioscience™



### Rat IgG2a kappa Isotype Control (368-4321-81) in Flow

BALB/c mouse splenocytes were stained with CD3e Monoclonal Antibody, PE (Product # 12-0031-82) and 0.06 µg of Rat IgG2a kappa Isotype Control, Brilliant Ultra Violet 805 (BUV805) (left) or 0.06 µg of CD4 Monoclonal Antibody, Brilliant Ultra Violet 805 (BUV805) (Product # 368-0042-82) (right). Cells in the lymphocyte gate were used for analysis.

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