

# Rat IgG2a kappa Isotype Control (eBR2a), Brilliant Ultra Violet 737, eBioscience™

| Product Details    |                                     |
|--------------------|-------------------------------------|
| Size               | 50 µg                               |
| Host/Isotype       | Rat / IgG2a, kappa                  |
| Class              | Control                             |
| Type               | Isotype Control                     |
| Clone              | eBR2a                               |
| Conjugate          | Brilliant Ultra Violet™ 737         |
| 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™ 737 (BUV737) is a tandem dye that emits at 732 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.

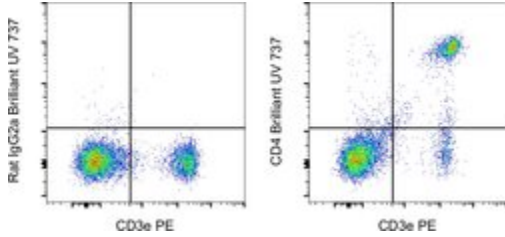
Our internal testing suggests that Brilliant Ultra Violet™ 737 (BUV737) is compatible with short-term methanol-based fixation, but

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

Excitation: 355 nm; Emission: 732 nm; Laser: Ultraviolet Laser.

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## Product Images For Rat IgG2a kappa Isotype Control (eBR2a), Brilliant Ultra Violet 737, eBioscience™



### Rat IgG2a kappa Isotype Control (367-4321-81) in Flow

BALB/c mouse splenocytes were stained with CD3e Monoclonal Antibody, PE (Product # 12-0031-82) and 0.125 µg of Rat IgG2a Isotype Control, Brilliant Ultra Violet 737 (BUV737) (left) or 0.125 µg of CD4 Monoclonal Antibody, Brilliant Ultra Violet 737 (BUV737) (Product # 367-0042-82) (right). Cells in the lymphocyte gate were used for analysis.

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