

# Rat IgG1 kappa Isotype Control (eBRG1), Brilliant Ultra Violet™ 563, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Rat / IgG1, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eBRG1
Conjugate	Brilliant Ultra Violet™ 563
Excitation/Emission Max	349/563 nm
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!
RRID	AB_2925393

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

## Product Specific Information

**Description:** The monoclonal rat IgG1 kappa is useful as an isotype control immunoglobulin.

**Applications Reported:** This eBRG1 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

**Applications Tested:** This eBRG1 antibody has been tested by flow cytometric analysis of normal human peripheral blood and mouse splenocytes. Use at the same concentration as the experimental antibody.

Brilliant Ultra Violet™ 563 (BUV563) is a tandem dye that emits at 564 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-4401-42) 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.

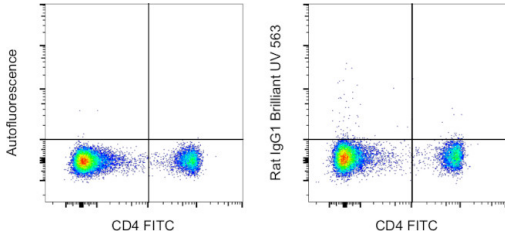
**Light sensitivity:** This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

**Fixation:** Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of 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: 350 nm; Emission: 564 nm; Laser: Ultraviolet Laser.

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## Product Images For Rat IgG1 kappa Isotype Control (eBRG1), Brilliant Ultra Violet™ 563, eBioscience™



### Rat IgG1 kappa Isotype Control (365-4301-81) in Flow

BALB/c mouse splenocytes were stained with CD4 Monoclonal Antibody, FITC (Product # 11-0042-82) and staining buffer (autofluorescence) (left) or 1.0 µg of Rat IgG1 kappa Isotype Control, Brilliant Ultra Violet 563 (right). Viable cells in the lymphocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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