

# Rat IgG1 kappa Isotype Control (eBRG1), Brilliant Violet™ 650, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Rat / IgG1, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eBRG1
Conjugate	Brilliant Violet™ 650
Excitation/Emission Max	407/646 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_2925694

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.™

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Applications Reported: This eBRG1 antibody has been reported for use in flow cytometric analysis.™

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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.™

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Brilliant Violet™ 650 (BV650) is a tandem dye that emits at 649 nm and is intended for use on cytometers equipped with a violet (405 nm) laser. Please make sure that your instrument is capable of detecting this fluorochrome.™

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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.™

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

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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.™

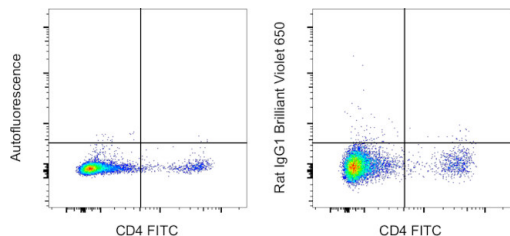
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Our internal testing suggests that Brilliant Violet™ 650 (BV650) is not compatible with methanol-based fixation.™

Excitation: 407 nm; Emission: 649 nm; Laser: Violet Laser.™

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## Product Images For Rat IgG1 kappa Isotype Control (eBRG1), Brilliant Violet™ 650, eBioscience™



### Rat IgG1 kappa Isotype Control (416-4301-81) in Flow

BALB/c mouse splenocytes were stained with CD4 Monoclonal Antibody, FITC (Product # 11-0041-82) and staining buffer (autofluorescence) (left) or 1.0 µg of Rat IgG1 kappa Isotype Control, Brilliant Violet 650 (Product # 416-4301-81) (right). Viable cells in the lymphocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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