

# Rat IgG2b kappa Isotype Control (eB149/10H5), Brilliant Violet™ 650, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Rat / IgG2b, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eB149/10H5
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_2925693

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

## Product Specific Information

**Description:** The rat IgG2b kappa monoclonal antibody is useful as an isotype control immunoglobulin.

**Applications Reported:** This eB149/10H5 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This eB149/10H5 antibody has been tested by flow cytometric analysis of normal human peripheral blood and mouse bone marrow cells. Use at the same concentration as the experimental antibody.

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.

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.

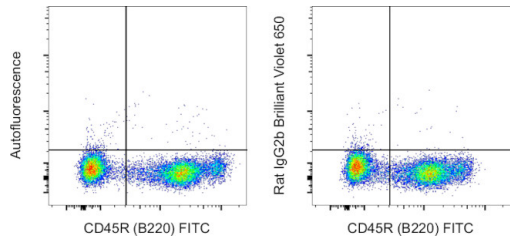
**Fixation:** Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone-specific performance should be determined empirically.

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 IgG2b kappa Isotype Control (eB149/10H5), Brilliant Violet™ 650, eBioscience™



**Rat IgG2b kappa Isotype Control (416-4031-81) in Flow**  
BALB/c mouse bone marrow cells were stained with CD45R (B220) Monoclonal Antibody, FITC (Product # 11-0452-82) and staining buffer (autofluorescence) (left) or 1.0 µg of Rat IgG2b kappa Isotype Control, Brilliant Violet 650 (right). Total viable cells were used for analysis, as determined by LIVE/DEAD™ Fixable Far Red Dead Cell Stain Kit (Product # L34974).

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