

# Rat IgG2b kappa Isotype Control (eB149/10H5), Brilliant Ultra Violet™ 496, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Rat / IgG2b, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eB149/10H5
Conjugate	Brilliant Ultra Violet™ 496
Excitation/Emission Max	348/493 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_2925342

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 Ultra Violet™ 496 (BUV496) is a tandem dye that emits at 496 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.

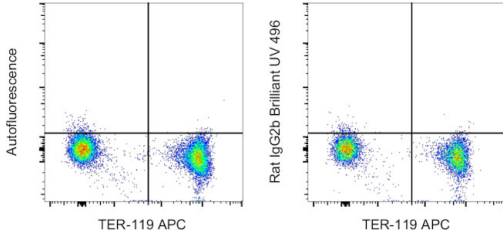
**Light sensitivity:** This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

**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: 496 nm; Laser: Ultraviolet Laser.

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## Product Images For Rat IgG2b kappa Isotype Control (eB149/10H5), Brilliant Ultra Violet™ 496, eBioscience™



**Rat IgG2b kappa Isotype Control (364-4031-81) in Flow**  
BALB/c mouse bone marrow cells were stained with TER-119 Monoclonal Antibody, APC (Product # 17-5921-82) and staining buffer (autofluorescence) (left) or 1.0 µg of Rat IgG2b kappa Isotype Control, Brilliant Ultra Violet 496 (right). Total cells were used for analysis.

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