

# Mouse IgG2a kappa Isotype Control (eBM2a), Brilliant Violet™ 711, eBioscience™

Product Details	
Size	50 µg
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Isotype Control
Clone	eBM2a
Conjugate	Brilliant Violet™ 711
Excitation/Emission Max	406/711 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_2925586

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

## Product Specific Information

**Description:** This is a monoclonal mouse IgG2a kappa antibody. It is used as an isotype control for mouse IgG2a antibodies.

**Applications Reported:** This eBM2a antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This eBM2a 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 Violet™ 711 (BV711) is a tandem dye that emits at 713 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.

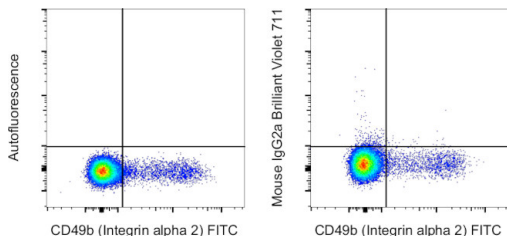
**Fixation:** Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations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

Our internal testing suggests that Brilliant Violet™ 711 (BV711) is not compatible with methanol-based fixation.

Excitation: 407 nm; Emission: 713 nm; Laser: Violet Laser.

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## Product Images For Mouse IgG2a kappa Isotype Control (eBM2a), Brilliant Violet™ 711, eBioscience™



**Mouse IgG2a kappa Isotype Control (407-4724-81) in Flow**  
C57BL/6 mouse splenocytes were stained with CD49b (Integrin alpha 2) Monoclonal Antibody, FITC (Product # 11-5971-82) and staining buffer (autofluorescence) (left) or 1.0 µg of Mouse IgG2a kappa Isotype Control, Brilliant Violet 711 (right). Viable cells in the lymphocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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