

CD8a Monoclonal Antibody (53-6.7), Brilliant Violet™ 650, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Brilliant Violet™ 650, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	53-6.7
Conjugate	Brilliant Violet™ 650
Excitation/Emission Max	407/646 nm
Form	Liquid
Concentration	0.2 mg/mL
Amount	25 µg
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_2921044

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	-

Product Specific Information

Description

The 53-6.7 monoclonal antibody reacts with the mouse CD8a molecule.

Applications Tested

This 53-6.7 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Blocking Buffers

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) 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.

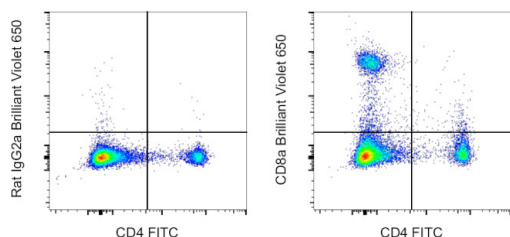
Fixation

- Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) 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 CD8a Monoclonal Antibody (53-6.7), Brilliant Violet™ 650, eBioscience™



CD8a Antibody (416-0081-80) in Flow

C57BL/6 mouse splenocytes were stained with CD4 Monoclonal Antibody, FITC (Product # 11-0042-82) and 0.25 μ g of Rat IgG2a kappa Isotype Control, Brilliant Violet 650 (Product # 416-4321-81) (left) or 0.25 μ g of CD8a Monoclonal Antibody, Brilliant Violet 650 (right). Viable cells in the lymphocyte gate were used for analysis, as determined by 7-AAD (Product # 00-6993-50).

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