

TCR gamma/delta Monoclonal Antibody (eBioGL3 (GL-3, GL3)), Brilliant Violet™ 650, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), Brilliant Violet™ 650, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioGL3 (GL-3, GL3)
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_2925699

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	-

Product Specific Information

Description: The GL3 monoclonal antibody reacts with the gamma delta T-cell Receptor complex (TCR) on all gamma delta TCR bearing T cells, but it does not react with alpha beta TCR. The gamma delta TCR is present on cells in the thymus, epidermis, epithelial lining of the intestine, peritoneal cavity, and lymphoid tissues.

It is recommended to prestain cells with CD16/CD32 Monoclonal Antibody (Product # 14-0161-82) to prevent non-specific Fc-mediated binding of the GL3 monoclonal antibody.

Applications Reported: This eBioGL3 (GL-3, GL3) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioGL3 (GL-3, GL3) antibody has been tested by flow cytometric analysis of mouse lymph node cells. This may be used at less than or equal to 0.125 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.

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.

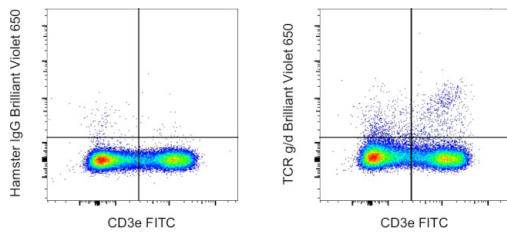
Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222-49) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333-54) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations 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 TCR gamma/delta Monoclonal Antibody (eBioGL3 (GL-3, GL3)), Brilliant Violet™ 650, eBioscience™



TCR gamma/delta Antibody (416-5711-80) in Flow

C57BL/6 mouse lymph node cells were stained with CD3e Monoclonal Antibody, FITC (Product # 11-0031-82) and 0.06 µg of Armenian Hamster IgG Isotype Control, Brilliant Violet 650 (Product # 416-4888-81) (left) or 0.06 µg of TCR gamma/delta 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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