

TNF alpha Monoclonal Antibody (MP6-XT22), Brilliant Violet™ 421, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Brilliant Violet™ 421, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MP6-XT22
Conjugate	Brilliant Violet™ 421
Excitation/Emission Max	406/423 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_2925545

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1.0 µg/test	-

Product Specific Information

Description: The MP6-XT22 antibody reacts with mouse tumor necrosis factor-alpha (TNF alpha), a 17 kDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4(+) T cells. TNF alpha has cytolytic activity against a range of tumor cells and is important in immune regulation. TNF alpha forms dimers and trimers and also exists as a 26 kDa membrane-bound form.

Applications Reported: This MP6-XT22 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This MP6-XT22 antibody has been tested by intracellular staining followed by flow cytometric analysis of mouse splenocytes using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol. Please refer to "Staining Intracellular Antigens for Flow Cytometry, Protocol A: Two step protocol for intracellular (cytoplasmic) proteins" located at Flow Protocols. This may be used at less than or equal to 1.0 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™ 421 (BV421) is a dye that emits at 423 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

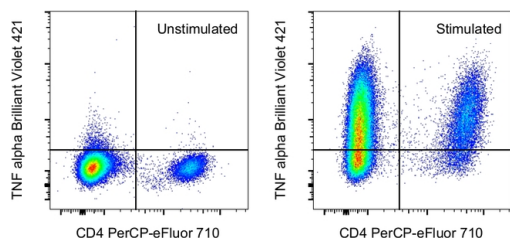
Buffer™ (Product # 00-4409-75) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer or Brilliant Stain Buffer for more information.

Excitation: 407 nm; Emission: 423 nm; Laser: Violet Laser.

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Product Images For TNF alpha Monoclonal Antibody (MP6-XT22), Brilliant Violet™ 421, eBioscience™

TNF alpha Antibody (404-7321-80) in Flow



C57BL/6 mouse splenocytes were stimulated for 72 hours with CD3e and CD28 Monoclonal Antibodies, Functional Grade (Product # 16-0031-85) and (Product # 16-0281-85), followed by treatment for 5 hours with Protein Transport Inhibitor Cocktail (Product # 00-4980-03) (left) or Cell Stimulation Cocktail (plus protein transport inhibitors) (Product # 00-4975-03) (right). Cells were then stained intracellularly, using the Intracellular Fixation & Permeabilization Buffer Set (Product # 88-8824-00) and protocol, with CD4 Monoclonal Antibody, PerCP-eFluor 710 (Product # 46-0042-82) and 1.0 µg of TNF alpha Monoclonal Antibody, Brilliant Violet 421. Viable cells in the lymphocyte gate were used for analysis, as determined by LIVE/DEAD™ Fixable Far Red Dead Cell Stain Kit (Product # L34974).

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