

TNF alpha Monoclonal Antibody (MP6-XT22), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MP6-XT22
Conjugate	PE
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466199

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	64 Publications
Functional Assay (FN)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
In Situ Hybridization (ISH) (ISH)	-	1 Publication

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.

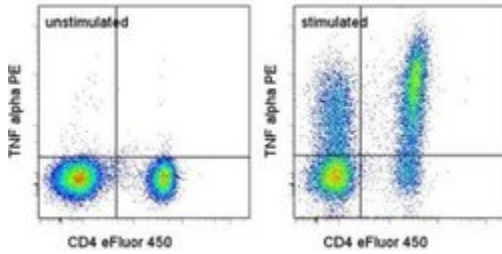
Applications Tested: This MP6-XT22 antibody is tested by intracellular flow cytometric analysis of stimulated splenocytes. It is offered in 2 formats: - µg size: has been tested by intracellular flow cytometric analysis. This can be used at less than or equal to 0.25 µg per test. A test is defined as 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. - test size: has been pre-titrated and tested by intracellular flow cytometric analysis. This can be used at 5 µL (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 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 μ m post-manufacturing filtered.

Product Images For TNF alpha Monoclonal Antibody (MP6-XT22), PE, eBioscience™



TNF alpha Antibody (12-7321-82) in Flow

Mouse splenocytes were unstimulated (left) or stimulated with Cell Stimulation Cocktail (plus protein transport inhibitors) (Product # 00-4975-03) (right) for 5 hours. Cells were fixed and permeabilized and stained with Anti-Mouse CD4 eFluor® 450 (Product # 48-0041-82) and 0.125 μ g of Rat IgG1 K Isotype Control PE (Product # 12-4301-82) or 0.125 μ g of Anti-Mouse TNF alpha PE. Viable cells as determined Fixable Viability Dye eFluor® 780 (Product # 65-0865-14) in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Flow Cytometry (64)

Frontiers in immunology

A New Adjuvant MTOM Mediates *Mycobacterium tuberculosis* Subunit Vaccine to Enhance Th1-Type T Cell Immune Responses and IL-2⁺ T Cells.

"Published figure using TNF alpha monoclonal antibody (Product # 12-7321-82) in Flow Cytometry"

Authors: Yu Q,Wang X,Fan X

Species
Not Applicable

Dilution
Not Cited

Year
2019

Frontiers in immunology

Expression of Siglec-E Alters the Proteome of Lipopolysaccharide (LPS)-Activated Macrophages but Does Not Affect LPS-Driven Cytokine Production or Toll-Like Receptor 4 Endocytosis.

"12-7321 was used in Flow cytometry/Cell sorting to reveal that induction of siglec-E by LPS can modulate the phenotype of macrophages, the functional significance of which is currently unclear."

Authors: Nagala M,McKenzie E,Richards H,Sharma R,Thomson S,Mastroeni P,Crocker PR

Species
Mouse

Dilution
Not Cited

Year
2019

[View more Flow references on thermofisher.com](#)

In Situ Hybridization (ISH) (1)

Journal of immunology (Baltimore, Md. : 1950)

Costimulation through TLR2 Drives Polyfunctional CD8⁺ T Cell Responses.

Authors: Salerno F,Freen-van Heeren JJ,Guislain A,Nicolet BP,Wolkers MC

Species
Mouse

Dilution
Not Cited

Year
2019

Functional Assay (1)

PloS one

Interplay between CD8⁺ dendritic cells and monocytes in response to *Listeria monocytogenes* infection attenuates T cell responses.

"12-7321 was used in Functional assays to examine the contribution of different primary APCs during *Listeria monocytogenes* infection, showing interplay between dendritic cells and monocytes during infection."

Authors: Kapadia D,Sadikovic A,Vanloubbeek Y,Brockstedt D,Fong L

Species
Mouse

Dilution
Not Cited

Year
2011

More applications with references on thermofisher.com

IF (1) IHC (F) (1)

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