TNF alpha Monoclonal Antibody (MP6-XT22), Alexa Fluor™ 488, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), Alexa Fluor™ 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MP6-XT22
Conjugate	Alexa Fluor™ 488
Excitation/Emission Max	499/520 nm
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_469936

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Flow Cytometry (Flow)	0.12 µg/test	55 Publications
ELISA (ELISA)	-	1 Publication
Neutralization (Neu)	-	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.

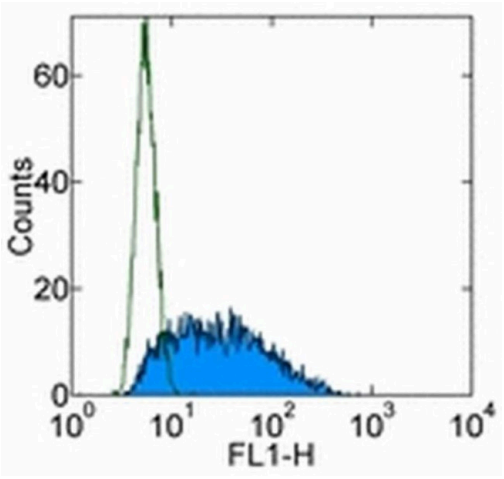
Applications Reported: The MP6-XT22 antibody has been reported for use in ELISA, IHC, neutralization, and immunofluorescent intracellular staining with flow cytometric analysis. Fluorochrome conjugated MP6-XT22 antibody is recommended for use in intracellular staining.

Applications Tested: This MP6-XT22 antibody has been tested by intracellular immunofluorescent staining and flow cytometric analysis of activated splenocytes cultured in the presence of monensin. This can be used at less than or equal to 0.12 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Excitation: 488 nm; Emission: 519 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For TNF alpha Monoclonal Antibody (MP6-XT22), Alexa Fluor™ 488, eBioscience™



TNF alpha Antibody (53-7321-82) in Flow
Intracellular staining of restimulated C57BL/6 splenocytes with staining buffer (autofluorescence) (open histogram) or 0.06 µg of Anti-Mouse TNF alpha Alexa Fluor® 488 (filled histogram). Total cells were used for analysis.

View more figures on thermofisher.cn

59 References

Immunohistochemistry (2)

JCI insight

Year
2020

Fgr contributes to hemorrhage-induced thalamic pain by activating NF-B /ERK1/2 pathways.

"Published figure using TNF alpha monoclonal antibody (Product # 53-7321-82) in Immunohistochemistry"

Authors: Huang T,Fu G,Gao J,Zhang Y,Cai W,Wu S,Jia S,Xia S,Bachmann T,Bekker A,Tao YX

PloS one

Year
2012

Tissue specific deletion of inhibitor of kappa B kinase 2 with OX40-Cre reveals the unanticipated expression from the OX40 locus in skin epidermis.

"Published figure using TNF alpha monoclonal antibody (Product # 53-7321-82) in Immunofluorescence"

Authors: Cornish GH,Tung SL,Marshall D,Ley S,Seddon BP

Flow Cytometry (55)

Therapeutic advances in chronic disease

Year
2023

Prevention of EAE by tolerogenic vaccination with PEGylated antigenic peptides.

"Published figure using TNF alpha monoclonal antibody (Product # 53-7321-82) in Flow Cytometry"

Authors: Pfeil J,Simonetti M,Lauer U,von Thülen B,Durek P,Poulsen C,Pawlowska J,Kröger M,Krähmer R,Leenders F, Hoffmann U,Hamann A

International journal of molecular sciences

Year
2023

Conditional Knockout of Hypoxia-Inducible Factor 1-Alpha in Tumor-Infiltrating Neutrophils Protects against Pancreatic Ductal Adenocarcinoma.

"Published figure using TNF alpha monoclonal antibody (Product # 53-7321-82) in Flow Cytometry"

Authors: Sieow JL,Penny HL,Gun SY,Tan LQ,Duan K,Yeong JPS,Pang A,Lim D,Toh HC,Lim TKH,Engleman E, Rotzschke O,Ng LG,Chen J,Tan SM,Wong SC

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More applications with references on thermofisher.cn

ELISA (1) **Neu (1)**

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