

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

Product Details

Size	25 Tests
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MP6-XT22
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10854722

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	90 Publications
Functional Assay (FN)	-	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. This product 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 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test.

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

Filtration: 0.2 µm post-manufacturing filtered.

🔖 92 References

Immunohistochemistry (1)

<p>Journal of the American Society of Nephrology : JASN</p> <p>CXCL9, but not CXCL10, promotes CXCR3-dependent immune-mediated kidney disease.</p> <p>"12-7321 was used in Immunohistochemistry to identify additional therapeutic chemokine targets for immune-mediated nephritis."</p> <p>Authors: Menke J,Zeller GC,Kikawada E,Means TK,Huang XR,Lan HY,Lu B,Farber J,Luster AD,Kelley VR</p>	<p>Year 2008</p> <p>Species Mouse</p>
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Flow Cytometry (90)

<p>Therapeutic advances in chronic disease</p> <p>Prevention of EAE by tolerogenic vaccination with PEGylated antigenic peptides.</p> <p>"Published figure using TNF alpha monoclonal antibody (Product # 12-7321-41) in Flow Cytometry"</p> <p>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</p>	<p>Year 2023</p>
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<p>International journal of molecular sciences</p> <p>Conditional Knockout of Hypoxia-Inducible Factor 1-Alpha in Tumor-Infiltrating Neutrophils Protects against Pancreatic Ductal Adenocarcinoma.</p> <p>"Published figure using TNF alpha monoclonal antibody (Product # 12-7321-41) in Flow Cytometry"</p> <p>Authors: Sieow JL,Penny HL,Gun SY,Tan LQ,Duan K,Yeong JPS,Pang A,Lim D,Toh HC,Lim TKH,Engleman E,Rotzscke O,Ng LG,Chen J,Tan SM,Wong SC</p>	<p>Year 2023</p>
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[View more Flow references on thermofisher.com](#)

Functional Assay (1)

<p>PloS one</p> <p>Interplay between CD8+ dendritic cells and monocytes in response to Listeria monocytogenes infection attenuates T cell responses.</p> <p>"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."</p> <p>Authors: Kapadia D,Sadikovic A,Vanloubbeeck Y,Brockstedt D,Fong L</p>	<p>Year 2011</p> <p>Species Mouse</p>
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