

TNF alpha Monoclonal Antibody (MAb11), Alexa Fluor 700, eBioscience™

Product Details	
Size	100 Tests
Species	Human
Published Species	Artificial Control, Human, Mouse
Expression System	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Alexa Fluor 700, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MAb11
Conjugate	Alexa Fluor® 700
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10671335

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	9 Publications
Immunohistochemistry (IHC)	-	1 Publication
Neutralization (Neu)	-	1 Publication

Product Specific Information

Description: The MAb11 antibody reacts with human tumor necrosis factor-alpha (TNF alpha), a 17 kDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4+ T cells. TN 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. The MAb11 antibody is a neutralizing antibody.

Applications Reported: This MAb11 antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This MAb11 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated normal human peripheral blood cells using the Intracellular Fixation and Permeabilization Buffer Set (cat. 88-8824) and protocol. Please refer to Best Protocols: Protocol A: Two step protocol for (cytoplasmic) intracellular proteins located under the Resources Tab online. This can be used at 5 µL (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.

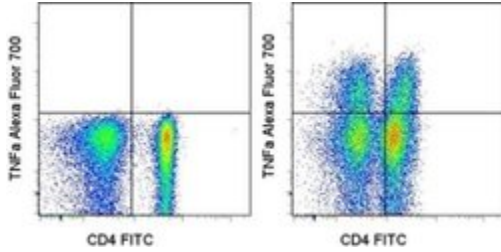
Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror

and 710/20 filter. Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 723 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For TNF alpha Monoclonal Antibody (MAb11), Alexa Fluor 700, eBioscience™



TNF alpha Antibody (56-7349-42) in Flow

Normal human peripheral blood cells were stimulated for 5 hours with PMA /ionomycin and Brefeldin A (right) or unstimulated (left), followed by intracellular staining with Anti-Human CD4 FITC (Product # 11-0048-42) and Anti-Human TNF alpha Alexa Fluor® 700 using the Intracellular Fixation and Permeabilization Buffer Set (Product # 88-8824-00) and protocol. Cells in the lymphocyte gate were used for analysis.

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

11 References

Flow Cytometry (9)

Molecular therapy oncolytics

Inhibition of Cholesterol Esterification Enzyme Enhances the Potency of Human Chimeric Antigen Receptor T Cells against Pancreatic Carcinoma.

"Published figure using TNF alpha monoclonal antibody (Product # 56-7349-42) in Flow Cytometry"

Authors: Zhao L,Liu Y,Zhao F,Jin Y,Feng J,Geng R,Sun J,Kang L,Yu L,Wei Y

Species

Artificial Control

Dilution

Not Cited

Year

2020

PloS one

Application of a whole blood mycobacterial growth inhibition assay to study immunity against Mycobacterium tuberculosis in a high tuberculosis burden population.

"Published figure using TNF alpha monoclonal antibody (Product # 56-7349-42) in Flow Cytometry"

Authors: Baguma R,Penn-Nicholson A,Smit E,Erasmus M,Day J,Makhetha L,de Kock M,Hughes EJ,van Rooyen M,Pienaar B,Stone L,Hanekom W,Brennan MJ,Wallis RS,Hatherill M,Scriba TJ

Species

Not Applicable

Dilution

Not Cited

Year

2017

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

Immunohistochemistry (1)

Science signaling

Targeting aPKC disables oncogenic signaling by both the EGFR and the proinflammatory cytokine TNF in glioblastoma.

"Published figure using TNF alpha monoclonal antibody (Product # 56-7349-42) in Flow Cytometry"

Authors: Kusne Y,Carrera-Silva EA,Perry AS,Rushing EJ,Mandell EK,Dietrich JD,Errasti AE,Gibbs D,Berens ME,Loftus JC,Hulme C,Yang W,Lu Z,Aldape K,Sanai N,Rothlin CV,Ghosh S

Species

Human
Mouse
Not Applicable

Dilution

Not Cited
Not Cited
Not Cited

Year

2014

Neutralization (1)

Science signaling

Targeting aPKC disables oncogenic signaling by both the EGFR and the proinflammatory cytokine TNF in glioblastoma.

"Published figure using TNF alpha monoclonal antibody (Product # 56-7349-42) in Flow Cytometry"

Authors: Kusne Y,Carrera-Silva EA,Perry AS,Rushing EJ,Mandell EK,Dietrich JD,Errasti AE,Gibbs D,Berens ME,Loftus JC,Hulme C,Yang W,Lu Z,Aldape K,Sanai N,Rothlin CV,Ghosh S

Species

Human
Mouse
Not Applicable

Dilution

Not Cited
Not Cited
Not Cited

Year

2014

More applications with references on thermofisher.com

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