

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

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Artificial Control, Human, Mouse
Host/Isotype	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
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	9 Publications
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 10<sup>5</sup> to 10<sup>8</sup> cells/test.

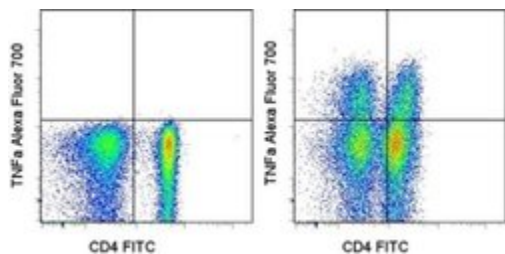
Alexa Fluor® 700 emits at 723 nm and can be excited with the red laser (633 nm). Most instruments will require a 685 LP mirror

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

### 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

### Flow Cytometry (9)

#### Immunologic research

#### The distribution and function of human memory T cell subsets in lung cancer.

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

Authors: Sheng SY, Gu Y, Lu CG, Zou JY, Hong H, Wang R

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2017

#### Human vaccines and immunotherapeutics

#### Cell-mediated immune responses to respiratory syncytial virus infection: magnitude, kinetics, and correlates with morbidity and age.

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

Authors: Geevarghese B, Weinberg A

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2016

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

### 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

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.