

# TNF alpha Monoclonal Antibody (MAb11), FITC, eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Human
Published Species	Artificial Control, Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MAb11
Conjugate	FITC
Form	Liquid
Concentration	0.5 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_465423

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	15 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: Mab11 has been reported for use in intracellular flow cytometric analysis.

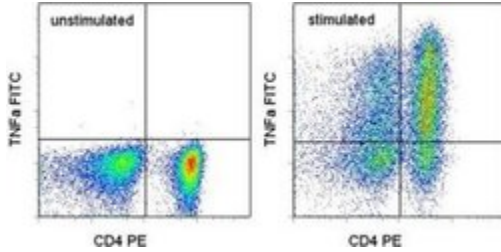
Applications Tested: This MAb11 antibody is offered in 2 formats: - µg size: has been tested by intracellular staining and flow cytometric analysis of stimulated human peripheral blood cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that 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. 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 staining and flow cytometric analysis of stimulated human peripheral blood cells. Refer to catalog number suffix on the vial for amount to use per test: -41 is 5 µL (0.5 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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For TNF alpha Monoclonal Antibody (MAb11), FITC, eBioscience™



### TNF alpha Antibody (11-7349-81) in Flow

Normal human blood peripheral cells were stimulated with PMA/Ionomycin in the presence of Brefeldin A (Product # 00-4506-51) for 6 hours. Unstimulated (left) or stimulated (right) cells were surface stained with Anti-Human CD3 PE (Product # 12-0038-42) and intracellularly stained with Anti-Human TNF alpha FITC.

[View more figures on thermofisher.com](#)

## 18 References

### Western Blot (1)

#### Carcinogenesis

#### Attenuation of natural killer cell functions by capsaicin through a direct and TRPV1-independent mechanism.

"11-7349 was used in Flow cytometry/Cell sorting to demonstrate that capsaicin inhibits NK cell-mediated cytotoxicity and cytokine production (interferon- and tumor necrosis factor-)."

Authors: Kim HS, Kwon HJ, Kim GE, Cho MH, Yoon SY, Davies AJ, Oh SB, Lee H, Cho YK, Joo CH, Kwon SW, Kim SC, Kim YK

**Species**  
Human  
Mouse

**Dilution**  
Not Cited  
Not Cited

**Year**  
2014

### 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 # 11-7349-82) in Flow Cytometry"

Authors: Kushe 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 (15)

#### Cell

#### Heterogeneous Tumor-Immune Microenvironments among Differentially Growing Metastases in an Ovarian Cancer Patient.

"Published figure using TNF alpha monoclonal antibody (Product # 11-7349-82) in Flow Cytometry"

Authors: Jiménez-Sánchez A, Memon D, Pourpe S, Veeraraghavan H, Li Y, Vargas HA, Gill MB, Park KJ, Zivanovic O, Konner J, Ricca J, Zamarin D, Walther T, Aghajanian C, Wolchok JD, Sala E, Merghoub T, Snyder A, Miller ML

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2017

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 # 11-7349-82) in Flow Cytometry"

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**Species**

Human  
Mouse  
Not Applicable

**Dilution**

Not Cited  
Not Cited  
Not Cited

**Year**

2014

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

## More applications with references on thermofisher.com

### Neu (1)

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