

TNF alpha Monoclonal Antibody (MAb11), PE-eFluor 610, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Artificial Control, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-eFluor 610, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MAb11
Conjugate	PE-eFluor® 610
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_2574668

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	7 Publications

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.

PE-eFluor® 610 can be excited with laser lines from 488-561 nm and emits at 607 nm. We recommend using a 610/20 band pass filter (equivalent to PE-Texas Red®). Please make sure that your instrument is capable of detecting this fluorochrome.

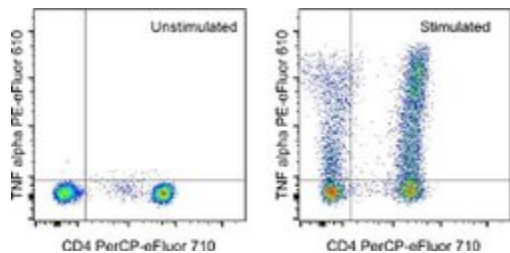
Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 μ L of cell sample + 100 μ L of IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; Emission: 607 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 μ m post-manufacturing filtered.

Product Images For TNF alpha Monoclonal Antibody (MAB11), PE-eFluor 610, eBioscience™



TNF alpha Antibody (61-7349-42) in Flow

Normal human peripheral blood cells were unstimulated (left) or stimulated for 5 hours with Cell Stimulation Cocktail (plus protein transport inhibitors) (Product # 00-4975-03) (right). Cells were intracellularly stained with Anti-Human CD4 PerCP-eFluor® 710 (Product # 46-0047-42) and Anti-Human TNF alpha PE-eFluor® 610 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](https://thermofisher.com)

7 References

Flow Cytometry (7)

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 # 61-7349-42) 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

Dilution
Not Cited

Year
2014

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 # 61-7349-42) 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

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More applications with references on thermofisher.com

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