

# TNF alpha Monoclonal Antibody (MAb11), PerCP-Cyanine5.5, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MAb11
Conjugate	PerCP-Cyanine5.5
Excitation/Emission Max	489/679 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_10718247

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	27 Publications

## Product Specific Information

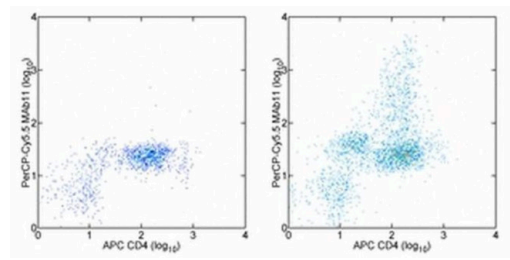
**Description:** The MAb11 antibody reacts with human tumor necrosis factor-alpha (TNF alpha), a 17 kDa cytokine produced by monocytes, macrophages, neutrophils, NK cells and CD4+ T cells. TN alpha has cytolytic activity against a range of tumor cells and is important in immune regulation. TNF alpha 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 flow cytometric analysis.

**Applications Tested:** This MAb11 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated human peripheral blood cells. This can be used at 5 µL (0.06 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:** 695 nm; **Laser:** Blue Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.



**TNF alpha Antibody (45-7349-42) in Flow**  
Intracellular staining of unstimulated (left) or 5-hour PMA/Ionomycin-stimulated (in the presence of Brefeldin A) (right) normal human peripheral blood cells with Anti-Human CD4 APC (Product # 17-0049-42) and Anti-Human TNF alpha PerCP-Cyanine5-5. Cells in the monocyte gate were used for analysis.

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27 References

Flow Cytometry (27)

<p><b>Nature communications</b></p> <p><b>PRDM1/BLIMP1 induces cancer immune evasion by modulating the USP22-SPI1-PD-L1 axis in hepatocellular carcinoma cells.</b></p> <p>"Published figure using TNF alpha monoclonal antibody (Product # 45-7349-42) in Flow Cytometry"</p> <p>Authors: Li Q,Zhang L,You W,Xu J,Dai J,Hua D,Zhang R,Yao F,Zhou S,Huang W,Dai Y,Zhang Y,Baheti T,Qian X,Pu L, Xu J,Xia Y,Zhang C,Tang J,Wang X</p>	<p><b>Year</b> 2022</p>
<p><b>Cell death &amp; disease</b></p> <p><b>LINC01123 promotes immune escape by sponging miR-214-3p to regulate B7-H3 in head and neck squamous-cell carcinoma.</b></p> <p>"Published figure using TNF alpha monoclonal antibody (Product # 45-7349-42) in Flow Cytometry"</p> <p>Authors: Li H,Yang Z,Yang X,Zhang F,Wang J,Wu Z,Wanyan C,Meng Q,Gao W,Yang X,Wei J</p>	<p><b>Year</b> 2022</p>

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