

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

## Product Details

Size	50 µg
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MAb11
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466952

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Flow Cytometry (Flow)	-	18 Publications
ELISA (ELISA)	0.5-2 µg/mL	2 Publications
Neutralization (Neu)	-	1 Publication
Miscellaneous PubMed (Misc)	-	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<sup>+</sup> T cells. TNF-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:** The MAb11 antibody has been reported for use in detection of human TNF alpha by ELISA.

**Applications Tested:** The MAb11 antibody has been tested as the detection antibody in a sandwich ELISA for analysis of human TNF-alpha (TNF-a, TNFa) in combination with the purified MAb1 (14-7348) antibody for capture and recombinant human TNFa (14-8329) as the standard. A suitable range of concentrations of this antibody for ELISA detection is 0.5-2 µg/mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/mL - 8 pg/mL should be included in each ELISA plate.

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

Immunohistochemistry (2)

<p>Oncotarget</p> <p><b>Ghrelin ameliorates tumor-induced adipose tissue atrophy and inflammation <i>via</i> Ghrelin receptor-dependent and -independent pathways.</b></p> <p>"Published figure using TNF alpha monoclonal antibody (Product # 13-7349-81) in Immunohistochemistry"</p> <p>Authors: Liu H,Luo J,Guillory B,Chen JA,Zang P,Yoeli JK,Hernandez Y,Lee II,Anderson B,Storie M,Tewnion A,Garcia JM</p>	<p>Year</p> <p>2020</p> <p>Species</p> <p>Human</p> <p>Mouse</p>
<p>Science signaling</p> <p><b>Targeting aPKC disables oncogenic signaling by both the EGFR and the proinflammatory cytokine TNF in glioblastoma.</b></p> <p>"Published figure using TNF alpha monoclonal antibody (Product # 13-7349-81) in Immunohistochemistry"</p> <p>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</p>	<p>Year</p> <p>2014</p> <p>Species</p> <p>Human</p> <p>Mouse</p>

Flow Cytometry (18)

<p>Nature communications</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 # 13-7349-81) 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>Year</p> <p>2022</p>
<p>Cell death &amp; disease</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 # 13-7349-81) 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>Year</p> <p>2022</p>

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

More applications with references on thermofisher.com

- ELISA (2)
- Neu (1)
- Misc (1)

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