



1P-688-T100

Monoclonal Antibody to TNF-alpha Phycoerythrin (PE) conjugated (100 tests)

Clone:	MAB11
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody MAb11 recognizes human 17-26 kDa cytokine TNF-alpha (tumor necrosis factor alpha).
Regulatory Status:	RUO
Immunogen:	Recombinant human TNF-alpha
Species Reactivity:	Human, Non-Human Primates, Porcine
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	TNF-alpha is a cytokine produced by monocytes, macrophages, neutrophils, NK cells, CD4+ T cells and many transformed cells. It can be expressed as a 17 kDa free molecule, or as a 26 kDa membrane protein. TNF-alpha easily forms stable trimers, but also other multimeric complexes. In the immune system, it is an important regulator, which has cytolytic and cytostatic activity against a range of tumor cells, increases fibroblast proliferation and supports neutrophil chemotaxis and phagocytosis.
References:	<p>*Wahlström J, Katchar K, Wigzell H, Olerup O, Eklund A, Grunewald J: Analysis of intracellular cytokines in CD4+ and CD8+ lung and blood T cells in sarcoidosis. <i>Am J Respir Crit Care Med.</i> 2001 Jan;163(1):115-21.</p> <p>*Yan SR, Qing G, Byers DM, Stadnyk AW, Al-Hertani W, Bortolussi R: Role of MyD88 in diminished tumor necrosis factor alpha production by newborn mononuclear cells in response to lipopolysaccharide. <i>Infect Immun.</i> 2004 Mar;72(3):1223-9.</p> <p>*Visser J, Graffelman W, Blauw B, Haspels I, Lentjes E, de Kloet ER, Nagelkerken L: LPS-induced IL-10 production in whole blood cultures from chronic fatigue syndrome patients is increased but supersensitive to inhibition by dexamethasone. <i>J Neuroimmunol.</i> 2001 Oct 1;119(2):343-9.</p> <p>*Cesaro-Tadic S, Dernick G, Juncker D, Buurman G, Kropshofer H, Michel B, Fattinger C, Delamarche E: High-sensitivity miniaturized immunoassays for tumor necrosis factor alpha using microfluidic systems. <i>Lab Chip.</i> 2004 Dec;4(6):563-9.</p> <p>*Attarbaschi T, Willheim M, Ramharter M, Hofmann A, Wahl K, Winkler H, Graninger W, Winkler S: T cell cytokine profile during primary Epstein-Barr virus infection (infectious mononucleosis). <i>Eur Cytokine Netw.</i> 2003 Jan-Mar;14(1):34-9.</p>

For laboratory research only, not for drug, diagnostic or other use.



Antibodies

Unless indicated otherwise, all products are For Research Use Only and not for diagnostic or therapeutic use. Not for resale or transfer either as a stand-alone product or as a component of another product without written consent of EXBIO. EXBIO will not be held responsible for patent infringement or other violations that may occur with the use of our products. All orders are accepted subject to EXBIO's term and conditions which are available at www.exbio.cz.

For laboratory research only, not for drug, diagnostic or other use.

EXBIO Praha | Nad Safinou II 341 | 252 50 Vestec u Prahy | Czech Republic
Tel: +420 261 090 666 | Fax: +420 261 090 660 | orders@exbio.cz | www.exbio.cz