

## TNF

### Mouse Anti-Human TNF-alpha Clone B-C7 Biotin Detection mAb

<b>Catalog No.</b>	CDM436	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	DIF; TNFA; TNFSF2; TNLG1F; TNF-alpha		
<b>Description:</b>	<p>Mouse Anti-Human TNF-alpha Clone B-C7 Biotin Detection mAb</p> <p>Background: Tumor Necrosis Factor alpha (TNF-alpha) is a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine.</p>		
<b>Concentration:</b>	0.1 mg / 1.0 ml		
<b>Gene ID:</b>	7124		
<b>Conjugate:</b>	Biotin		
<b>Specificity:</b>	Recognizes both natural and recombinant TNF-alpha		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Recombinant human TNF-alpha		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	B-C7		
<b>Hybridoma:</b>	Myeloma X63/AG.8653 x Balb/c spleen cells		
<b>Formulation:</b>	<p>Liquid solution in phosphate buffered saline with 1% BSA and 0.09% Sodium Azide.</p> <p>Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.</p>		
<b>Purification:</b>	Ion exchange chromatography		
<b>Applications:</b>	<p>ELISA / ELISPOT Detection Antibody. This antibody can be used as a detection antibody in a human TNF-alpha sandwich immunoassay to detect human TNF-alpha in combination with human TNF-alpha capture antibody (Cat no. CDM412). The suggested coating concentration range below should be optimized by each laboratory for each application.</p>		
<b>Application Notes:</b>	ELISA / ELISPOT: 0.05-0.5 µg/ml		
<b>Storage &amp; Stability:</b>	Store at 2-8°C for 12 months. For longer storage, freeze aliquots at -20°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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