

## Mouse Anti-Human TNF- $\alpha$ Monoclonal Antibody Datasheet

## Product Name: mAb anti-Human TNF- $\alpha$

## Clone No.: CH8810

## Catalogue No.: MO-C40003A

Quantity: 0.5 mg/vial

Description:	Mouse monoclonal antibody to human Tumor		receptors, TNFR1 (p55) and TNFR2 (p75).
	Necrosis Factor alpha (TNF- $\alpha$ )		TNF- $\alpha$ not only contributes to the immune
Purification:	Protein G affinity purified		response to bacterial, fungal, viral and parasitic invasions, but also functions in tissue
Product Type:	Primary Antibody		remodeling, autoimmune-diseases and the
Target Protein:	Human TNF-α		necrosis of specific tumors. TNF-α hyper- expression in response to some bacterial
Immunogen:	Purified recombinant human TNF- $\alpha$		components such as LPS can cause life threatening septic shock. Recombinant TNF-α,
Fusion	Sp2/0-Ag14		in combination with chemotherapy, has been
Myeloma:			applied for treatment of soft sarcomas, melanomas and other irresectable tumors.
Specificity:	This antibody recognizes both natural and		Anti-TNF- $\alpha$ therapy has been used for
	recombinant human TNF- $lpha.$		treatment of rheumatoid arthritis.
Species	Human, other species not tested	Applications:	ELISA: This antibody (clone 8810) matches
Reactivity:			with TNF- $lpha$ capture antibody clone 8820
			(Anogen Cat# MO-C40003B) for human TNF- $lpha$
Host / Isotype:	Mouse, IgG1 Kappa		detection in sandwich ELISA assay.
Formulation:	Lyophilized from a solution in 0.01M PBS, pH		Neutralizing: This antibody can neutralize
	7.0		TNF- $\!\alpha$ activity in vitro. It is suggested to use 2-
Reconstitution:	Double distilled water is recommended to		5ng of recombinant human TNF- $lpha$ per µg of
Reconstitution.	adjust the final concentration to 1.00mg/mL.		monoclonal antibody for the experiment.
Storage:	Store at -20°C		<b>IHC:</b> The antibody can react with formalin- fixed paraffin-embedded tissues. It showed
Research	Cytokine, inflammation		strong reaction with normal kidney, normal
Area:	Cytokine, innanimation		lung and lung cancer samples, and showed
Aledi			very strong reaction with liver cirrhosis
Background:	Tumor Necrosis Factor-alpha (TNF- $\alpha$ ) is a		samples at $10\mu g/mL$ antibody concentration.
-	multifunctional pro-inflammatory cytokine,	References:	
	mainly secreted by activated macrophages. It		If research is published using this product,
	is implicated with a variety of biological		please inform Anogen in order to cite the
	procedures including systemic inflammation,		reference on this datasheet. Anogen will
	cell proliferation, apoptosis, lipid metabolism,		provide one unit of product in the same
	and coagulation. The pleiotropic attribute of		category as gratitude.
	$TNF\text{-}\alpha$ regulation is associated with its ability to		
	trigger multiple signalling pathways through its		

This product is for LA	BORATORY RESEARCH USE and further manufacture ONLY, and cannot be administrate	ed to human and
	animals for use in diagnostic and therapeutic procedures.	
	Manufactured by ANOGEN - A Division of YES Biotech Laboratories Ltd.	
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