

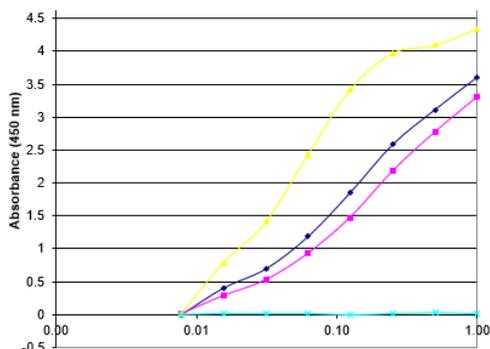
## CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

<b>Product name</b>	TNF-Alpha, Human, clone T1		
<b>Catalog number</b>	HM2024-100UG		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	1 ml	<b>Amount</b>	100 µg
<b>Formulation</b>	0.2 µm filtered in PBS+0.1%BSA	<b>Concentration</b>	100 µg/ml
<b>Host Species</b>	Mouse IgG1	<b>Conjugate</b>	None
<b>Endotoxin</b>	<24 EU/mg	<b>Purification</b>	Protein G
<b>Storage</b>	4°C		

### Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #					1			
Yes				•	•	•		•
No								
N.D.	•	•	•				•	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot



IA: HM2024 was used as detection antibody in different concentrations. The light blue line is a negative control.

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- FS: The monoclonal antibody T1 can be used for inhibition of the biological activity of TNF-alpha.
- W: A reduced sample treatment and SDS-Page was used. The band size is 17 kDa.

### General Information

<b>Description</b>	The antibody reacts with free soluble (17 kDa) and membrane (26 kDa) human TNF-alpha. The antibody inhibits the biological activity of both forms. It does not react with receptor bound TNF-alpha. It can be a useful tool to discriminate between the membrane form of TNF expressed on producer cells and the proteolytically cleaved, soluble TNF-alpha bound to its cognate cell membrane receptors (TNF-RI and TNF-RII). For this purpose we recommend to use this antibody in combination with the anti-TNF-alpha antibody HM2026, which recognizes soluble, membrane and receptor bound TNF-alpha.
<b>Immunogen</b>	BALB/c mice with huTNF, fusion of spleen cells with NSO myeloma cells (ref.1).
<b>Aliases</b>	Tumor necrosis factor, Cachectin, Tumor necrosis factor ligand superfamily member 2, Tumor necrosis factor, membrane form, C-domain 2, Tumor necrosis factor, soluble form
<b>Gene</b>	Gene name: TNFA, TNFSF2
<b>References</b>	1. Gerspach, J et al; Detection of membrane-bound Tumor Necrosis Factor (TNF): an analysis of TNF-specific reagents. <i>Microsc Res Tech</i> 2000, <i>50</i> : 243

**Storage&stability** Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

**Precautions** For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

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We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC  
Brenda Teunissen

Date  
29/11/2019

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).