

**CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

<b>Product name</b>	TNF-Alpha, Mouse, pAb		
<b>Catalog number</b>	HP8001		
<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>	Rabbit IgG	<b>Conjugate</b>	None
<b>Endotoxin</b>	N.A.	<b>Purification</b>	Protein A
<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*

*\* If you are interested to use this antibody for functional studies, please contact us for bulk and low endotoxin opportunities.*

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.

**General Information**

<b>Description</b>	Tumor Necrosis Factor alpha (TNF-alpha) is a cytokine which has diverse immunomodulatory, anti tumor and toxic effects. TNF-alpha has been detected in diverse inflammatory status and appears to be a critical mediator in the lethality of septic shock. Furthermore, TNF-alpha has also been found in inflammatory foci such as synovial effusions in rheumatoid arthritis, systemic circulation in septic shock, parasitemia and rejection of renal transplants. The antibody reacts with both rat and mouse natural and recombinant TNF-alpha and recognizes membrane and receptor bound TNF-alpha. The antibody shows neutralizing activity.
<b>Aliases</b>	Tumor Necrosis Factor alpha; TNF-alpha
<b>Cross reactivity</b>	Rat: Yes
<b>References</b>	1. Koobkokuad, T et al, Arthrogenicity of type II collagen monoclonal antibodies associated with complement activation and antigen affinity. Journal of Inflammation 2011, 8:31
<b>Storage&amp;stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.
<b>Precautions</b>	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.

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  
Robbert Zwinkels

Date  
15/05/2018

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