

# Product Datasheet

## **TNF-alpha Antibody (2342C) - Low Endotoxin, Azide and BSA Free**

### **NBP2-75925**

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-75925**

TNF-alpha Antibody (2342C) - Low Endotoxin, Azide and BSA Free

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2342C
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A or G purified from cell culture supernatant
<b>Buffer</b>	PBS

**Product Description**

<b>Host</b>	Rabbit
<b>Gene ID</b>	7124
<b>Gene Symbol</b>	TNF
<b>Species</b>	Human
<b>Immunogen</b>	Partial recombinant human TNF-alpha protein (amino acids 77-233) [Uniprot: P01375]
<b>Endotoxin Note</b>	<0.10 EU per 1 ug of the antibody by the LAL method.

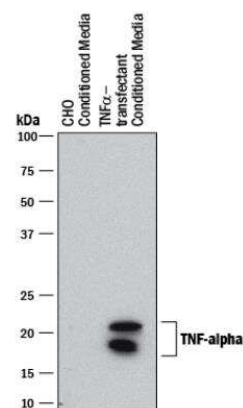
**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Neutralization
<b>Recommended Dilutions</b>	Western Blot 2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin, Neutralization
<b>Application Notes</b>	Measured by its ability to neutralize TNF-alpha -induced cytotoxicity in the L-929 mouse fibroblast cell line. The Neutralization Dose (ND50) is typically 1-10 ng/mL in the presence of 0.25 ng/mL Recombinant Human TNF-alpha and actinomycin D.

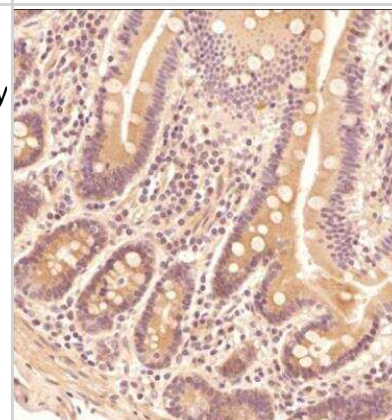


## Images

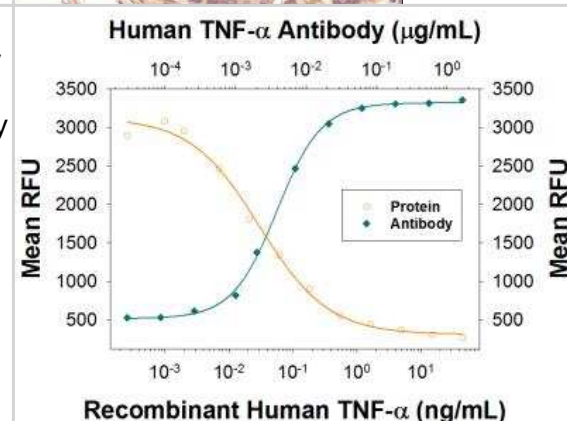
**Western Blot: TNF-alpha Antibody (2342C) - Low Endotoxin and Azide Free [NBP2-75925]** - Western blot shows conditioned media from CHO Chinese hamster ovary cell line either mock transfected or transfected with human TNF- alpha. PVDF membrane was probed with 2 ug/mL of Rabbit Anti-Human TNF-alpha Monoclonal Antibody (NBP2-75925) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). Specific bands were detected for TNF-alpha at approximately 18 and 21 kDa (as indicated). This experiment was conducted under reducing conditions.



**Immunohistochemistry-Paraffin: TNF-alpha Antibody (2342C) - Low Endotoxin and Azide Free [NBP2-75925]** - Analysis of a FFPE tissue section of the human intestine using 1:200 dilution of TNF-alpha antibody (NBP2-75925). The signal was developed using HRP-DAB method which followed counterstaining of the cells with hematoxylin. The antibody generated a moderate to strong cytoplasmic staining in crypt cells.



**Neutralization: TNF-alpha Antibody (2342C) [NBP2-75925]** - Recombinant Human TNF-alpha (Catalog # 210-TA) induces cytotoxicity in the L-929 mouse fibroblast cell line in a dose-dependent manner (orange line), as measured by Resazurin (Catalog # AR002). Cytotoxicity elicited by Recombinant Human TNF-alpha (0.25 ng/mL) is neutralized (green line) by increasing concentrations of Mouse Anti-Human TNF-alpha Monoclonal Antibody (Catalog # NBP2-75925). The ND50 is typically 1-10 ng/mL in the presence of the metabolic inhibitor actinomycin D.



## Publications

El-Hawary SS, El-Fitany RA, Mousa OM et al. Metabolic profiling and in vivo hepatoprotective activity of *Malpighia glabra* L. leaves Journal of food biochemistry 2020-12-22 [PMID: 33349967]



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### **Products Related to NBP2-75925**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-35076-10ug	Recombinant Human TNF-alpha Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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