

## ABfinity™ TNF-alpha Recombinant Rabbit Oligoclonal Antibody

Publication Part no. MAN0006835

Rev. 1.00

Catalog Number: 710288

Store at 2° to 8°C (short-term), or -20°C (long-term)

<b>Clonality:</b>	Oligoclonal	<b>Host/Class:</b>	Rabbit IgG
<b>Concentration:</b>	0.5 mg/mL	<b>Reactivity:</b>	Human TNF-alpha
<b>Quantity:</b>	100 µg	<b>Predicted Reactivity:</b>	Human
<b>Volume:</b>	200 µL		

### Product Description

TNF-alpha (Tumor necrosis factor-alpha) is a pleiotropic inflammatory cytokine that stimulates an acute phase reaction. It is a trimeric protein encoded within the major histocompatibility complex. The primary role of TNF-alpha is in the regulation of immune cells. It plays a role in the immune response to bacterial, viral, parasitic, and certain fungal invasions, and in the necrosis of specific tumors.

### Product Specifications

<b>Immunogen:</b>	Recombinant protein corresponding to amino acids 77-233 of human TNF-alpha
<b>Alternate Names:</b>	TNFA, TNFSF2
<b>Apparent MW:</b>	~17 kDa
<b>Gene ID:</b>	7124
<b>Protein Accession No.:</b>	P01375
<b>Sequence Identity:</b>	Human
<b>Sequence Homology:</b>	Mouse, Rat, Monkey
<b>Clone/PAD:</b>	3HCLC
<b>Lot:</b>	See product label

### Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Recombinant protein	1-3 µg/mL
Indirect ELISA	Human	Recombinant protein	1 µg/mL

### Storage and Handling

Store the antibody at 2 to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

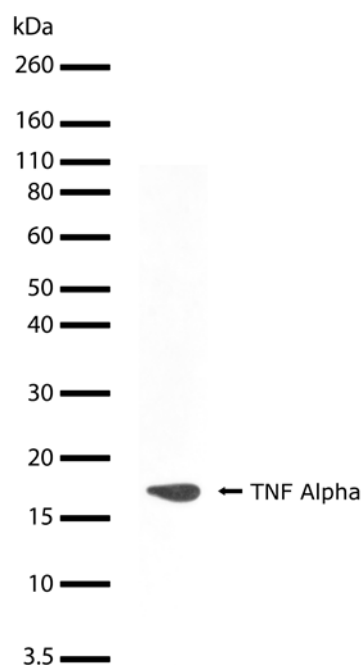
### Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

### Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

**Caution:** Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.



**Figure 1** Western blot analysis of ABfinity™ TNF-alpha Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710288).

Western blot analysis was performed using recombinant TNF-alpha protein. TNF-alpha protein was detected at ~18 kDa using ABfinity™ TNF-alpha Recombinant Rabbit Oligoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using chemiluminescence (ECL) method.

**For research use only. Not for human or animal therapeutic or diagnostic use.**

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: [techsupport@lifetech.com](mailto:techsupport@lifetech.com)

## Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit [www.lifetechnologies.com/support](http://www.lifetechnologies.com/support).

## Related Products

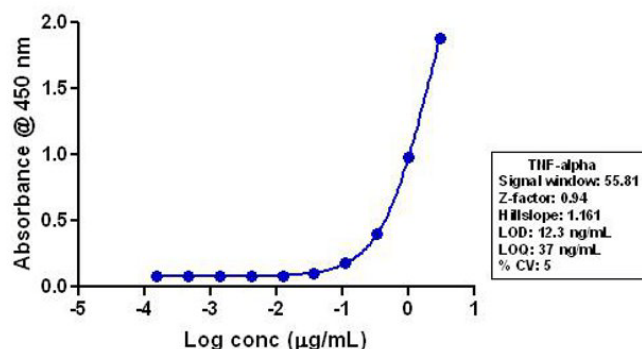
Product Name	Quantity	Catalog no.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

### Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

## Limited Product Warranty

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**Figure 2** Indirect ELISA of ABfinity™ TNF-alpha Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710288)

Indirect ELISA was performed using various dilutions of ABfinity™ TNF-alpha Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710288) to detect recombinant TNF alpha protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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