

ABfinity™ TNF-alpha Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701264

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

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Human TNF-alpha
Predicted Reactivity: Human

Product Description

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

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 77-233 of human TNF-alpha
Alternate Names: TNFA, TNFSF2
Apparent MW: ~17 kDa
Gene ID: 7124
Protein Accession No.: P01375
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey
Clone/PAD: 3H15L1
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Indirect ELISA	Human	Recombinant protein	1-2 µg/mL

Stability

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

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.

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.

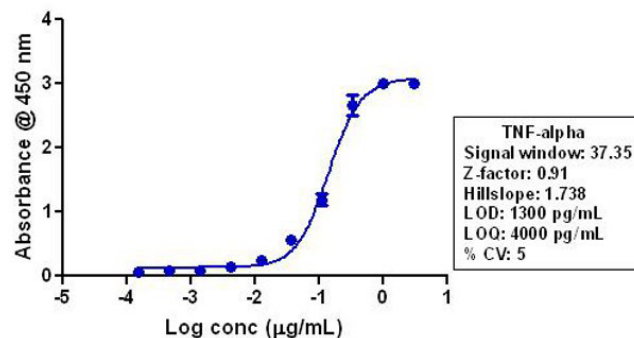


Figure 1 Indirect ELISA of ABfinity™ TNF-alpha Recombinant Rabbit Monoclonal Antibody (Cat. no. 701264).

Indirect ELISA was performed using various dilutions of ABfinity™ TNF-alpha Recombinant Rabbit Monoclonal Antibody (Cat. no. 701264) to detect TNF alpha active recombinant protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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

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




Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit 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		<i>In vitro</i> 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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