

ABfinity™ IL-21 Recombinant Rabbit Monoclonal Antibody

Publication Part No. MAN0006623

Rev. 1.00

Catalog Number: 701111

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 Interleukin-21
Predicted Reactivity: Human

Product Description

Interleukin-21 (IL-21) is a cytokine which plays a vital role in immune system regulation, B and T cell proliferation after antigen stimulation, and NK cell maturation. It promotes autoimmunity in both innate and adaptive immune responses. IL-21 also acts in the JAK/STAT signaling pathway through the IL-21 receptor (IL-21R). In humans, the gene encoding IL-21 is present on the q arm of chromosome 4.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 37–162 of human IL-21
Alternate Names: IL-21, IL-10-related T cell-derived inducible factor (IL-TIF)
Apparent MW: ~18 kDa
Gene ID: 59067
Protein Accession No.: Q9HBE4
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey
Clone/PAD: 18H2L4
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Indirect ELISA	Human	Active recombinant protein	1–3 µg/mL

Storage and Handling

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

Stability

Expires one year from date of receipt when stored as instructed.

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.

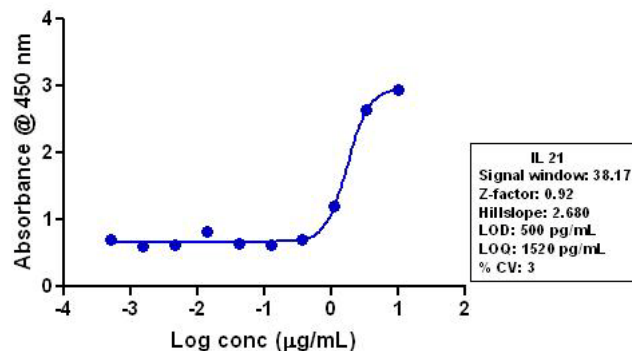


Figure 1 Indirect ELISA of ABfinity™ IL-21 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701111). Indirect ELISA was performed using various dilutions of ABfinity™ IL-21 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701111) to detect recombinant human IL-21 protein coated onto the plate. A non-linear 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.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com














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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