

ABfinity™ IL-23 Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701235

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 IL-23
Predicted Reactivity: Human

Product Description

Interleukin-23 (IL-23) is a member of the IL-12 cytokine family, which is produced by dendritic cells and other antigen presenting cells located in the peripheral tissues. This cytokine is a heterodimer composed of an IL-12p40 subunit and a p19 subunit. IL-23 plays an important role in stimulating memory T-cells. It is also required for the induction, expansion, maintenance and downstream effector functions of Th17 cells. Th17 cells play a vital role in upregulating neutrophil chemokines and various pro-inflammatory cytokines. IL-23 interacts with the receptors IL-12R beta1 and IL-23R to activate the Jak-Stat signaling cascade.

Product Specifications

Immunogen: Peptide corresponding to amino acids 55–67 of human Interleukin-23
Alternate Names: IL-23A, IL23P19, SGRF
Apparent MW: ~19 kDa
Gene ID: 51561
Protein Accession No.: Q9NPF7
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey
Clone/PAD: 26H20L23
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Recombinant protein	1–2 µg/mL
Indirect ELISA	Human	Recombinant protein	1 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.

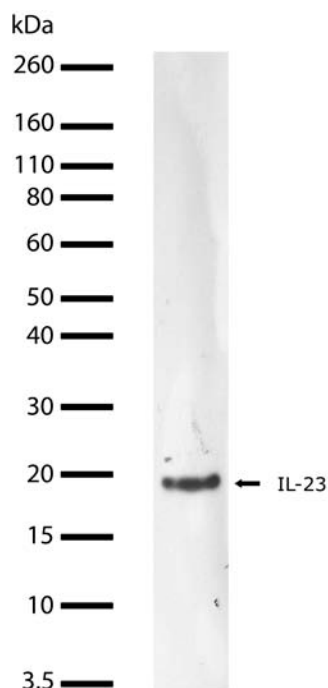


Figure 1 Western blot analysis of ABfinity™ IL-23 Recombinant Rabbit monoclonal Antibody (Cat. no. 701235).

Western blot analysis was performed on IL-23 recombinant protein. A band at ~19 kDa was detected using ABfinity™ IL-23 Recombinant Rabbit Monoclonal Antibody at a concentration of 1 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

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

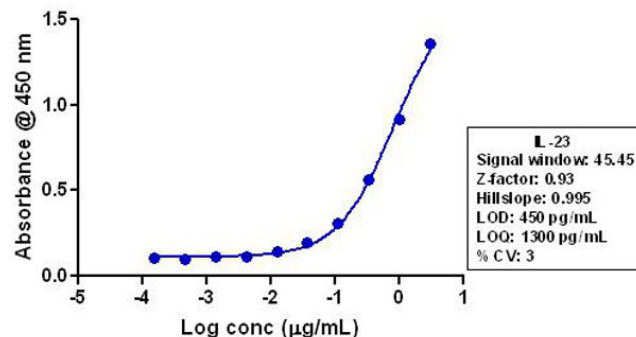


Figure 2 Indirect ELISA of ABfinity™ IL-23 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701235).

Indirect ELISA was performed using various dilutions of ABfinity™ IL-23 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701235) to detect IL-23 recombinant protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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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