

IL-35 ABfinity™ Recombinant Rabbit Monoclonal Antibody – Purified

Publication Part no. MAN0005260

Rev. Date: 17 October 2011

Catalog Number: 701101

Store at 2–8°C

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

Host/Class: Rabbit IgG
Reactivity: Human IL-35
Predicted Reactivity: Human

Product Description

Interleukin 35 (IL-35) is a cytokine belonging to IL-12 family that is produced by regulatory T cells. It is a dimeric protein composed on IL-12-alpha, and IL-27-beta chains. Members of this class of cytokines are important in influencing T helper cell differentiation, and suppressing inflammatory response. IL-35 is known to induce proliferation of regulatory T cells, and reduce the activity of helper Th17 cells.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 57–186 of human interleukin 35
Alternate Names: NKSF1
Apparent MW: ~28 kDa
Gene ID: 3592
Protein Accession No.: P29459
Sequence Identity: Human
Clone/PAD: 6H15L18
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Active recombinant protein	0.1–2 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 × 10 ⁻⁴ to 3 µg/mL

Storage and Handling

Store the antibody at 2–8°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.

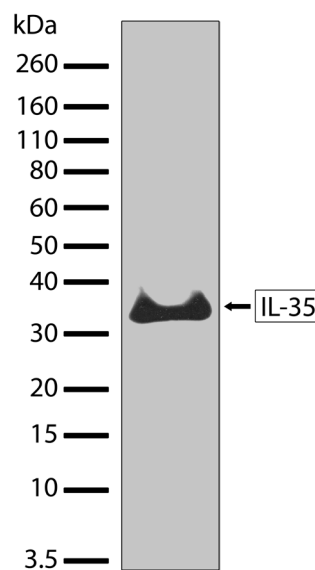


Figure 1 Western blot analysis of IL-35 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701101). Western blot analysis was performed on active recombinant human IL-35 protein. A band corresponding to recombinant human IL-35 at ~35 kDa was detected using IL-35 ABfinity™ Recombinant Rabbit Monoclonal 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.

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Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.com/sds.

Certificate of Analysis

The Certificate of Analysis provides detailed quality control and product qualification information for each product. Certificates of Analysis are available on our website. Go to www.invitrogen.com/support and search for the Certificate of Analysis by product lot number, which is printed on the box.

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

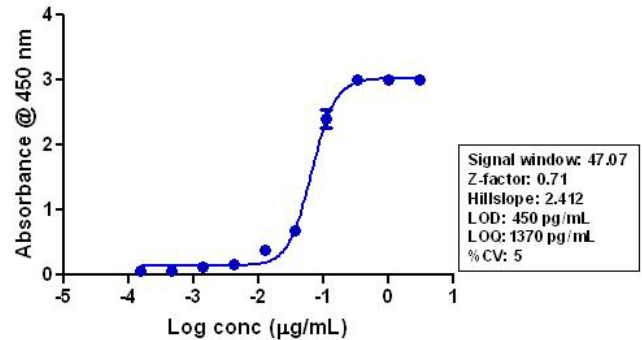


Figure 2 Indirect ELISA of IL-35 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701101). Indirect ELISA was performed using various dilutions of IL-35 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701101) to detect recombinant IL-35 protein coated onto the plate. A non-linear 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.		

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