

IL-33 ABfinity™ Recombinant Rabbit Monoclonal Antibody – Purified

Publication Part no. MAN0005598

Rev. 1.0

Catalog Number: 701113

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-33
Predicted Reactivity: Human

Product Description

Interleukin 33 (IL-33) belongs to the IL-1 family of cytokines, which act as secreted autocrine and paracrine factors, or as "intracrine," nonsecreted nuclear factors. IL-33 is produced in various tissues, and is crucial cytokine for Th2 cytokine-mediated host defense as well as induction of Th2-type allergic disorders. IL-33 also can accumulate in the nucleus and associate with heterochromatin and mitotic chromatin to function in transcription-repressor activity.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 112–270 of human interleukin 33
Alternate Names: Interleukin 33
Apparent MW: ~18 kDa
Gene ID: 90865
Protein Accession No.: O95760
Sequence Identity: Human
Clone/PAD: 1H1L9
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Active recombinant protein	0.5–2 µg/mL
Indirect ELISA	Human	Recombinant protein	0.5 × 10 ⁻³ to 10 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.

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

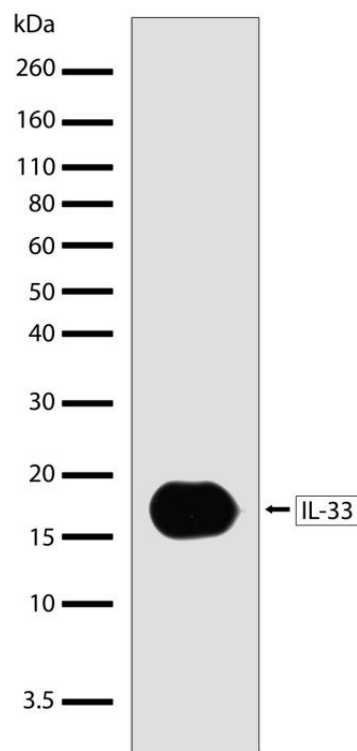


Figure 1 Western blot analysis of IL-33 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701113). Western blot analysis was performed on active recombinant human IL-33. A band corresponding to recombinant human IL-33 protein at ~18 kDa was detected using IL-33 ABfinity™ Recombinant Rabbit Monoclonal 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

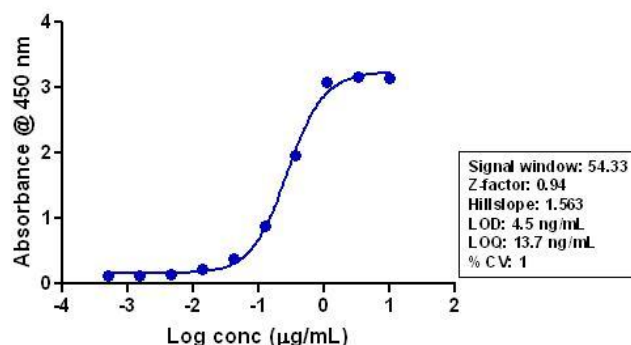


Figure 2 Indirect ELISA of IL-33 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701113). Indirect ELISA was performed using various dilutions of IL-33 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701113) to detect recombinant human IL-33 protein coated onto the plate. A non-linear 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		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.		

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