

IL-31 ABfinity™ Recombinant Rabbit Monoclonal Antibody

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Rev. Date: 15 September 2011

Catalog Number: 701082

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-31
Predicted Reactivity: Human

Product Description

Interleukin 31 or IL-31 is a cytokine secreted by differentiated CD4⁺ T helper type 2 (Th2) cells. It is also released during inflammation of the skin, by macrophages and T cells. Because IL-31 is secreted by activated Th2 cells, it has a role in host defense against infection and may be involved in asthma, allergy and different types of bowel diseases.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 24–164 of human IL-31
Apparent MW: ~18 kDa
Gene ID: 386653
Protein Accession No.: Q6EBC2
Sequence Identity: Human
Clone/PAD: 15H15L3
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Recombinant protein	1–3 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.

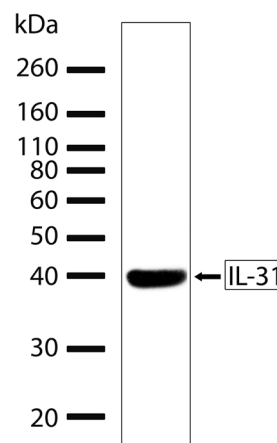


Figure 1 Western blot analysis of IL-31 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701082). Western blot analysis was performed on recombinant human IL-31 protein. A band corresponding to the purified protein at ~40 kDa was detected using IL-31 ABfinity™ Recombinant Rabbit Monoclonal Antibody at a concentration of 1 µg/mL.

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

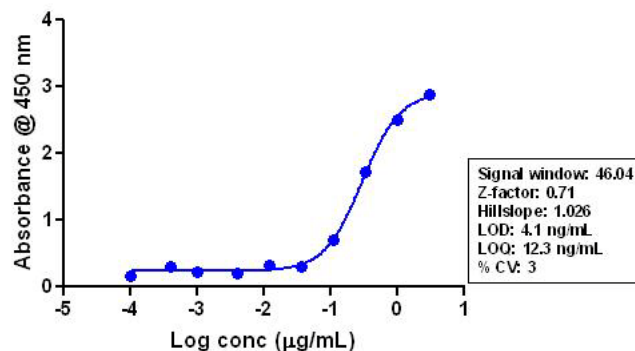


Figure 2 Indirect ELISA of IL-31 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701082). Indirect ELISA was performed using 0.5 µg/mL of IL-31 ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701082) to detect varying concentration of recombinant IL-31 protein coated onto the plate. 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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