

IL-2 Rabbit Recombinant Oligoclonal Antibody – Purified

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Rev. Date: 21 August 2011

Catalog Number: 710146

Store at 2–8°C

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

Host/Class: Rabbit IgG
Reactivity: Human Interleukin 2
Predicted Reactivity: Human

Product Description

IL-2 is a 15 kDa cytokine which is produced by immature CD4 Th precursor and Th0 cells as well as some Th1 cells of the immune system. IL-2 plays an important role as a growth factor, differentiation factor, and regulator of cell death. IL-2 stimulates the proliferation of B cells, augments natural killer cell activity, and inhibits granulocyte macrophage colony formation. The gene for IL-2 is located on chromosome number 14 at the 4q26-q27 locus.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 21–153 of Human Interleukin 2
Alternate Names: TCGF
Apparent MW: ~15 kDa
Gene ID: 3558
Protein Accession No.: P60568
Sequence Identity: Human
Clone/PAD: 2HCLC
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Active recombinant protein	1–3 µg/mL
Indirect ELISA	Human	Recombinant protein	0.5 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.

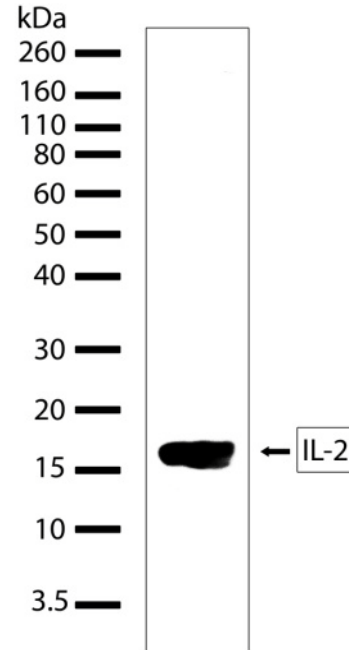


Figure 1 Western blot analysis of IL-2 Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710146). Western blot analysis was performed on Active Recombinant Human IL-2 protein. A band corresponding to human IL-2 at ~15 kDa was detected using IL-2 Rabbit Recombinant Oligoclonal Antibody at a concentration of 2.5 µg/mL.

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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

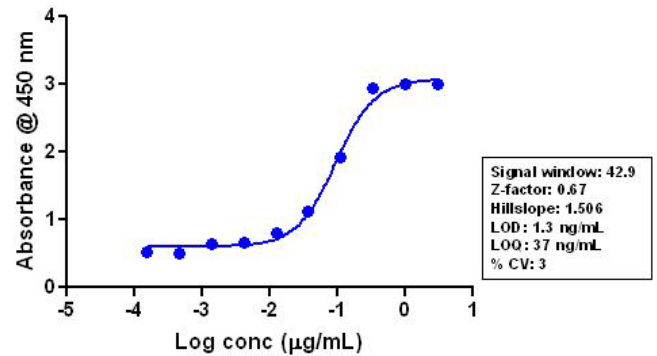


Figure 2 Indirect ELISA of IL-2 Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710146). Indirect ELISA was performed using 0.5 µg/mL of IL-2 Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710146) to detect varying concentration of recombinant IL-2 protein coated onto the plate. A non-linear regression 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 Use Label License: Research Use Only

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