

ABfinity™ IL4 (Ms) Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701230

Store at 2°C 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: Mouse IL4 (Ms)
Predicted Reactivity: Mouse

Product Description

Interleukin 4 (IL4) is a cytokine belonging to the family of glycoprotein growth factors that regulate of hematopoiesis. It induces differentiation of naive helper T cells to Th2 cells, and acts as a growth factor for T cells and mast cells. IL4 also has a number of effects on B cells, including growth stimulation, differentiation, activation, inhibition of apoptosis, and immunoglobulin class switching. IL4 also induces proliferation of T lymphocytes, and decreases the production of Th1 cells, macrophages, IFN-gamma, and dendritic cell IL-12.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 21–95 of mouse Interleukin 4
Alternate Names: IL-4 (mouse)
Apparent MW: 13.5 kDa
Gene ID: 16189
Protein Accession No.: P07750
Sequence Identity: Mouse
Sequence Homology: Mouse, Rat, Monkey, Rabbit
Clone/PAD: 19H10L7
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Mouse	Recombinant protein	1–2 µg/mL
Indirect ELISA	Mouse	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°C to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

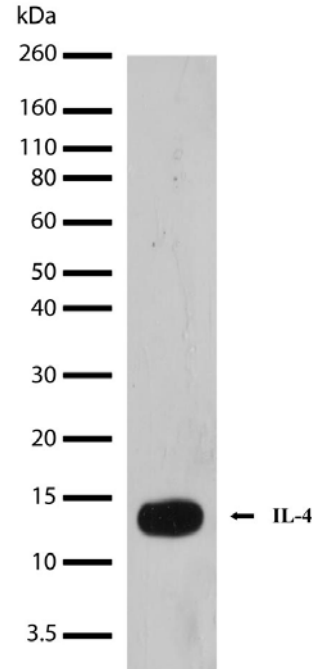


Figure 1 Western blot analysis of ABfinity™ IL4 (Ms) Recombinant Rabbit Monoclonal Antibody (Cat. no. 701230).

Western blot analysis was performed on the recombinant protein and detected at ~13.5 kDa using ABfinity™ IL4 (Ms) Recombinant Rabbit Monoclonal Antibody at a concentration of 1 µg/mL. The blot was developed using enhanced enhanced chemiluminescence (ECL) method.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is extremely toxic and may react with lead and copper plumbing to form highly explosive metal azides. Properly dispose of solutions containing sodium azide. Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. SDSs are available at www.lifetechnologies.com/support.

For research use only. Not for use in diagnostic procedures.

Product Documentation

To obtain a Certificate of Analysis or SDS, 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

Limited Product Warranty

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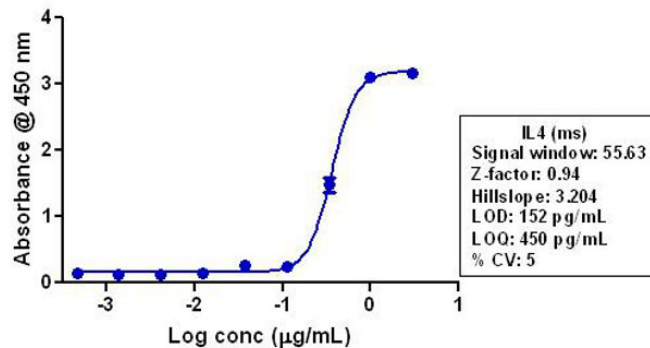


Figure 2 Indirect ELISA of ABfinity™ IL4 (Ms) Recombinant Rabbit Monoclonal Antibody (Cat. no. 701230).

Indirect ELISA was performed using various dilutions of ABfinity™ IL4 (Ms) Recombinant Rabbit Monoclonal Antibody to detect IL4 (Ms) 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	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

Limited Use Label License No. 327: Recombinant Antibody Technology

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