

ABfinity™ ICAM-1 Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701254

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: Human ICAM-1
Predicted Reactivity: Human

Product Description

Intercellular adhesion molecule-1 (ICAM-1) is a member of the immunoglobulin superfamily, and is critical for the adhesion and transmigration of leukocytes from blood vessels and into tissues. ICAM-1 is constitutively present on endothelial cells, but levels increase in response to proinflammatory cytokines. It is also expressed on smooth muscle cells, resulting in leukocyte accumulation, and activation of mononuclear cells. The expression of adhesion molecules on smooth muscle cells may be cell cycle-dependent, and influence smooth muscle cell proliferation and differentiation.

Product Specifications

Immunogen: Peptide corresponding to amino acids 504–517 of human Intercellular adhesion molecule-1
Alternate Names: ICAM1, MALA-2, CD54, BB2
Apparent MW: ~58 kDa
Gene ID: 3383
Protein Accession No.: P05362
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey, Rabbit
Clone/PAD: 9H21L19
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Raji and K562 cells	1–2 µg/mL
Indirect ELISA	Human	Peptide	1.5 × 10 ⁻⁴ to 3 µg/mL

Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, -20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

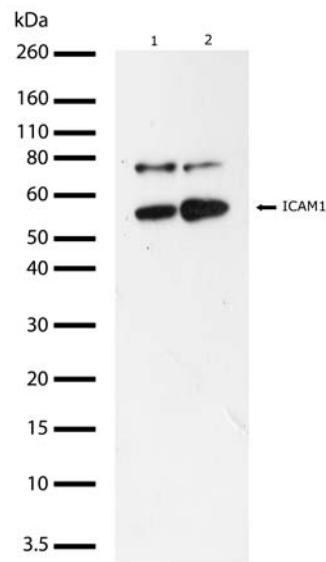


Figure 1 Western blot analysis of ABfinity™ ICAM-1 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701254).

Western blot analysis was performed on whole cell extracts from Raji (**lane 1**), and K562 cells (**lane 2**). An endogenous level of ICAM-1 was detected at ~58 kDa using ABfinity™ ICAM-1 Recombinant Rabbit Monoclonal Antibody at a concentration of 1 µg/mL. The blot was developed using 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 human or animal therapeutic or diagnostic use.

Manufacturing Site • 7335 Executive Way • Frederick • MD 21704 • E-mail: techsupport@lifetech.com

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
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

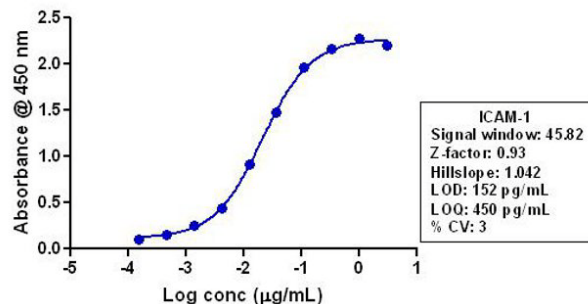


Figure 2 Indirect ELISA of ABfinity™ ICAM-1 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701254).

Indirect ELISA was performed using various dilutions of ABfinity™ ICAM-1 Recombinant Rabbit Monoclonal Antibody to detect ICAM-1 peptide 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 Product Warranty

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