

ABfinity™ Runx1 Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701202

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 Runx1
Predicted Reactivity: Human

Product Description

Runx1 (Runt-Related Transcription Factor 1) belongs to the mammalian RUNX family of DNA binding proteins that regulate the expression of genes involved in cellular differentiation and cell cycle progression. Runx1 is essential for hematopoietic stem cell generation in the vascular regions of the aorta, vitelline and umbilical arteries, yolk sac and placenta. Runx1 is expressed in all tissues except brain and heart, with highest levels in thymus, bone marrow and peripheral blood.

Product Specifications

Immunogen: Peptide corresponding to amino acids 174–188 of human Runx1
Alternate Names: AML1, CBFA2, EVI-1, AMLCR1, PEBP2aB, AML1-EVI-1
Apparent MW: ~52 kDa
Gene ID: 861
Protein Accession No.: Q01196
Sequence Identity: Human
Sequence Homology: Mouse, Bovine, Monkey
Clone/PAD: 3H2L6
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Mouse	Fetal mouse thymus	2–3 µg/mL
Indirect ELISA	Human	Peptide	1.5 x 10 ⁻⁴ to 3 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.

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

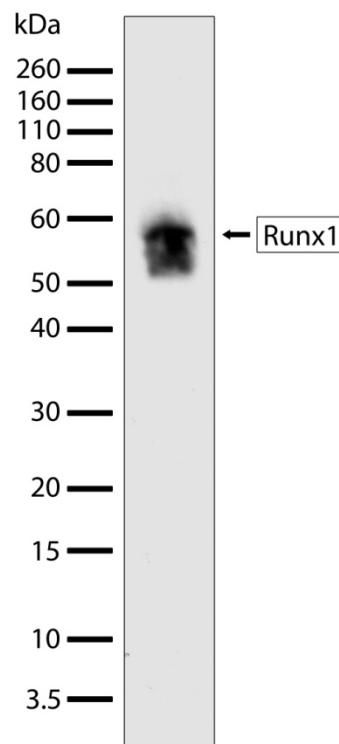


Figure 1 Western blot analysis of ABfinity™ Runx1 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701202). Western blot analysis was performed on fetal mouse thymus lysate. Endogenous Runx1 at ~52 kDa was detected using ABfinity™ Runx1 Recombinant Rabbit Monoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using chemiluminescence (ECL) method.

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 Safety Data Sheets (SDSs), 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

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.		

Limited Product Warranty

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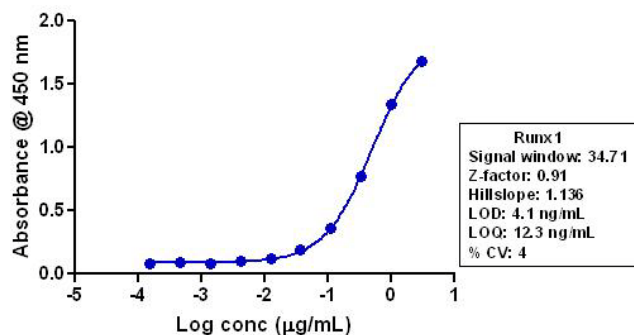


Figure 2 Indirect ELISA of ABfinity™ Runx1 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701202). Indirect ELISA was performed using various dilutions of ABfinity™ Runx1 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701202) to detect Runx1 peptide coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

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