

## Runx1 ABfinity™ Recombinant Rabbit Oligoclonal Antibody – Purified

Publication Part no. MAN0006243

Rev. 1.0

Catalog Number: 710233

Store at 2–8°C (short-term), or –20°C (long-term)

**Clonality:** Oligoclonal  
**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 haematopoietic 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 Runt related transcription factor 1  
**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:** 3HCLC  
**Lot:** See product label

### Product Applications

Application	Species	Test Material	Concentration
Western blotting	Mouse	Fetal mouse thymus	0.1–2 µg/mL
Indirect ELISA	Human	Peptide	1.5x10 <sup>-4</sup> 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.

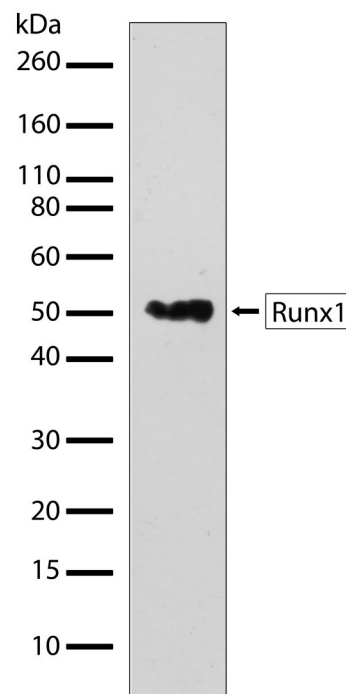
### Stability

Expires one year from date of receipt when stored as instructed.

### Storage Buffer

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

**Note:** 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 Runx1 ABfinity™ Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710233). Western blot analysis was performed on fetal mouse thymus lysate. Endogenous Runx1 at ~52 kDa was detected using Runx1 ABfinity™ Recombinant Rabbit Oligoclonal Antibody at a concentration of 1 µg/mL. The blot was developed using chemiluminescence (ECL) method.

**For research use only. Not for human or animal therapeutic or diagnostic use.**

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## Safety Data Sheets (SDS)

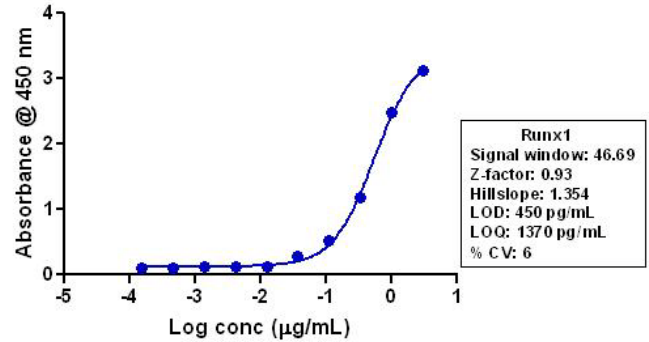
Safety Data Sheets (SDSs) are available at [www.lifetechnologies.com/sds](http://www.lifetechnologies.com/sds).

## 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.lifetechnologies.com/support](http://www.lifetechnologies.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 Runx1 ABfinity™ Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710233). Indirect ELISA was performed using various dilutions of Runx1 ABfinity™ Recombinant Rabbit Oligoclonal Antibody (Cat. no. 710233) 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.

### 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.		

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