

## ABfinity™ BAFF Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701244

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 BAFF  
**Predicted Reactivity:** Human

### Product Description

BAFF (B-cell activating factor) is a membrane bound cytokine expressed by B cell lineage cells. The soluble form of the cytokine binds to the receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. BAFF is a potent B cell activator, and important for the proliferation and differentiation of B cells. BAFF is also expressed by T lymphocytes and has been shown to promote T cell activation and survival. Isoforms representing alternatively spliced, and glycosylated variants have been identified.

### Product Specifications

**Immunogen:** Recombinant protein corresponding to amino acids 134–285 of human BAFF  
**Alternate Names:** TNFSF13B (tumor necrosis factor (ligand) superfamily, member 13b), BLYS, TALL1, DTL  
**Apparent MW:** ~31 kDa  
**Gene ID:** 10673  
**Protein Accession No.:** Q9Y275  
**Sequence Identity:** Human  
**Sequence Homology:** Monkey, Horse, Rabbit  
**Clone/PAD:** 9H23L24  
**Lot:** See product label

### Product Applications

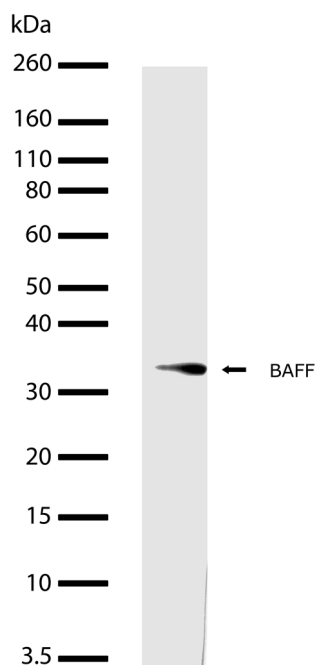
Application	Species	Test Material	Concentration
Western blotting	Human	Jurkat cells	2.5–5 µg/mL
Indirect ELISA	Human	Recombinant protein	1 µg/mL

### 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° 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™ BAFF Recombinant Rabbit monoclonal Antibody (Cat. no. 701244).

Western blot analysis was performed on Jurkat whole cell extracts. Endogenous levels of BAFF was detected at ~31 kDa using ABfinity™ BAFF 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.**

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## 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.

## Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit [www.lifetechnologies.com/support](http://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

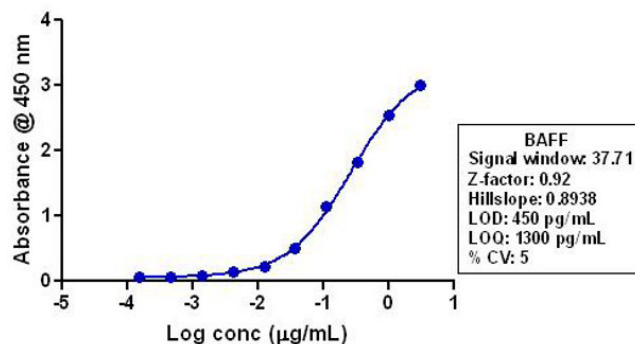
Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		In vitro diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	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™ BAFF Recombinant Rabbit Monoclonal Antibody (Cat. no. 701244).

Indirect ELISA was performed using various dilutions of ABfinity™ BAFF Recombinant Rabbit Monoclonal Antibody (Cat. no. 701244) to detect BAFF recombinant protein 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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