

ABfinity™ Beta-2-microglobulin Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701250

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 b2-microglobulin
Predicted Reactivity: Human

Product Description

Beta-2-microglobulin is a low molecular weight protein associated with the HLA complex, and is an important cell surface structure. The amino acid sequence of Beta-2-microglobulin is homologous to the constant regions of immunoglobulin heavy and light chains, with a predominantly beta pleated sheet structure. The protein is ubiquitously expressed in the cytoplasm, and is involved in antigen processing and presentation. Beta-2-microglobulin also plays a role in TCR signaling, and downstream signaling in naïve CD8⁺ cells. Beta 2-microglobulin is encoded by the b2m gene located on chromosome 15.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 21–119 of human b2-microglobulin
Alternate Names: B2M
Apparent MW: ~12 kDa
Gene ID: 567
Protein Accession No.: P61769
Sequence Identity: Human
Sequence Homology: Mouse, Rat, Monkey
Clone/PAD: 4H5L5
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	HL-60 and HeLa cell lysate	1–3 µg/mL

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.

Stability

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

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.

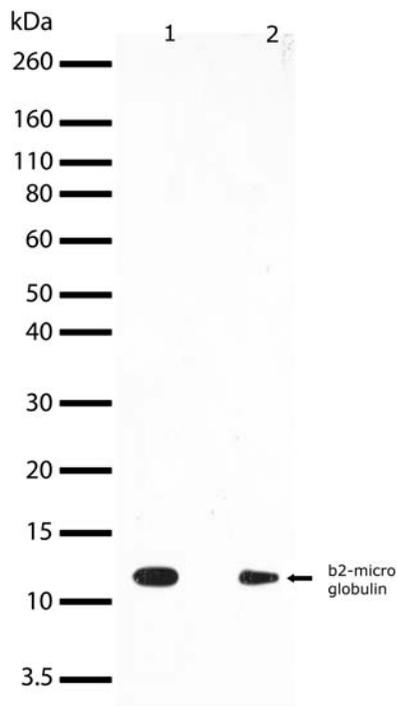


Figure 1 Western blot analysis of ABfinity™ Beta-2-microglobulin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701250).

Western blot analysis was performed on whole cell extracts from HL60 (lane 1) and HeLa (lane 2). Endogenous level of Beta-2-microglobulin at ~12 kDa was detected using ABfinity™ Beta-2-microglobulin Recombinant Rabbit Monoclonal 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.

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		<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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