

ABfinity™ Beta Endorphin Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701295

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

Clonality:	Monoclonal	Host/Class:	Rabbit IgG
Concentration:	0.5 mg/mL	Reactivity:	Human Beta Endorphin
Quantity:	100 µg	Predicted Reactivity:	Human
Volume:	200 µL		

Product Description

Beta endorphin is an opioid neuropeptide that is produced by neurons of the pituitary gland and released into the circulatory system, or produced by the hypothalamus, and released into the brain and spinal cord through nerve fibers. The precursor polypeptide for beta endorphin is pro-opiomelanocortin (POMC), which can also be cleaved to produce adrenocorticotrophic hormone (ACTH).

Product Specifications

Immunogen:	Peptide corresponding to amino acids 242–267 of human Beta Endorphin
Apparent MW:	3 kDa
Gene ID:	5443
Protein Accession No.:	P01189
Sequence Identity:	Human
Sequence Homology:	Mouse, Rat, Monkey, Rabbit
Clone/PAD:	20H4L2
Lot:	See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Recombinant protein	2–3 µg/mL
Indirect ELISA	Human	Peptide	1.5 × 10 ⁻⁴ to 3 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°C to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

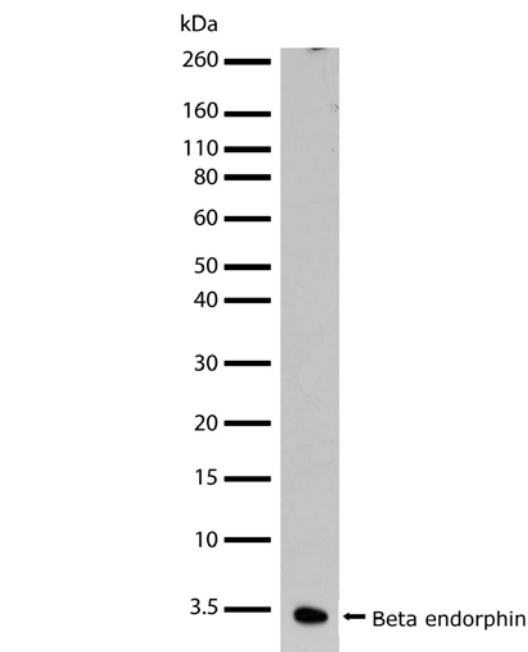


Figure 1 Western blot analysis of ABfinity™ Beta Endorphin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701295).

Western blot analysis was performed on recombinant protein. Endogenous levels of Beta Endorphin was detected at ~3 kDa using ABfinity™ Beta Endorphin Recombinant Rabbit Monoclonal Antibody at a concentration of 2 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 use in diagnostic procedures.

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

Limited Product Warranty

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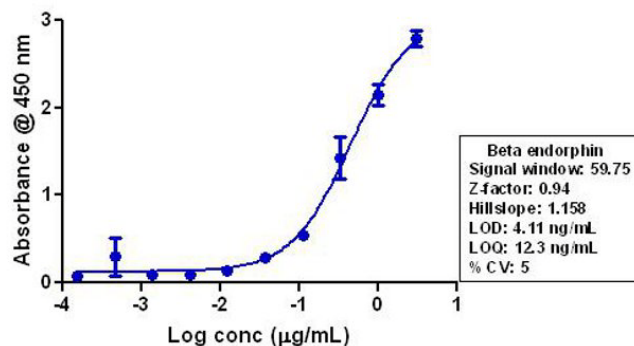


Figure 2 Indirect ELISA of ABfinity™ Beta Endorphin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701295).

Indirect ELISA was performed using various dilutions of ABfinity™ Beta Endorphin Recombinant Rabbit Monoclonal Antibody to detect Beta Endorphin 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	Symbol	Description
	Manufacturer		Catalog number		Batch code
	Use by		Temperature limitation		
	Consult instructions for use		Caution, consult accompanying documents		

Limited Use Label License No. 327: Recombinant Antibody Technology

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