

Visfatin ABfinity™ Recombinant Rabbit Monoclonal Antibody – Purified

Publication Part no. MAN0005984

Rev. 1.0

Catalog Number: 701090

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 Visfatin
Predicted Reactivity: Human

Product Description

Visfatin, also known as pre-B cell colony-enhancing factor, is an adipocytokine that is abundantly secreted by visceral adipose tissue, with insulin mimetic effects. Visfatin mimics insulin signaling by binding to the insulin receptor and reducing glucose release from liver cells, while stimulating glucose utilization in adipocytes and myocytes. Visfatin is also involved in enhancement of cell proliferation, biosynthesis of nicotinamide mono- and dinucleotide and glucose homeostasi.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 1–110 of human visfatin
Alternate Names: NAMPT, PBEF
Apparent MW: ~56 kDa
Gene ID: 10135
Protein Accession No.: P43490
Sequence Identity: Human
Sequence Homology: Mouse
Clone/PAD: 13H13L23
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Active recombinant protein	2–5 µg/mL
Immunocytochemistry	Human	HeLa cells	1–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1.5 × 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.

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

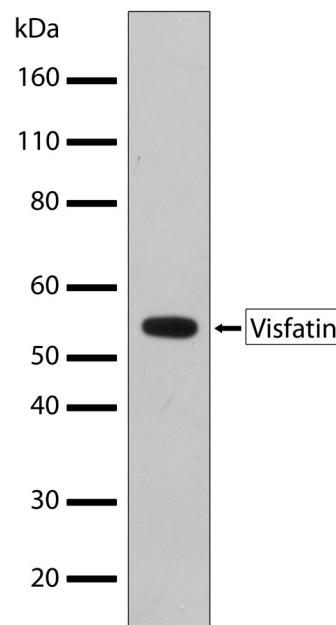


Figure 1 Western blot analysis of Visfatin ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701090). Western blot analysis was performed on active recombinant visfatin. A band corresponding to recombinant visfatin protein was detected at ~56 kDa using Visfatin ABfinity™ Recombinant Rabbit Monoclonal 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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Safety Data Sheets (SDS)

Safety Data Sheets (SDSs) are available at www.invitrogen.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.invitrogen.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

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.		

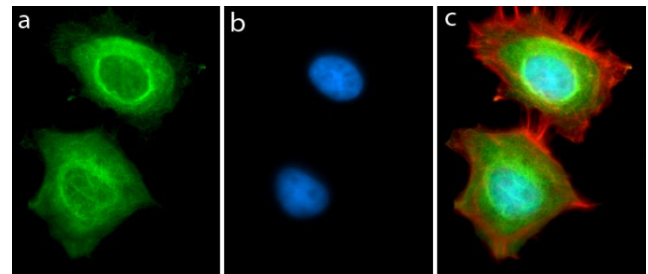


Figure 2 Immunocytochemistry analysis of Visfatin ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701090). Immunocytochemistry analysis of HeLa cells stained with Visfatin ABfinity™ Recombinant Rabbit Monoclonal Antibody using **a**: Alexa Fluor® 488 goat anti-rabbit as a secondary antibody (green). **b**: DAPI stained HeLa nuclei (blue). **c**: Composite image of cells showing cytoplasmic and nuclear localization of visfatin. Alexa Fluor® 594 phalloidin was used to stain actin (red).

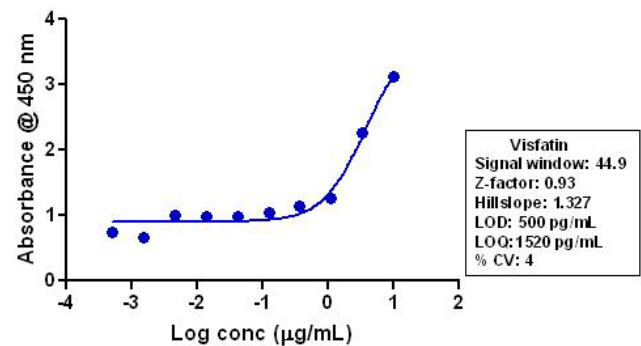


Figure 3 Indirect ELISA of Visfatin ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701090). Indirect ELISA was performed using various dilutions of Western Blot analysis of Visfatin ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701090) to detect recombinant Visfatin protein coated 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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