

ABfinity™ IFN-gamma Recombinant Rabbit Monoclonal Antibody

Publication Part no. MAN0006838

Rev. 1.00

Catalog Number: 701263

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

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

Product Description

IFN-gamma is a member of type II interferon family, and is a dimeric protein consisting of two 146 amino acid subunits. It is involved in immunoregulatory and anti-proliferative functions. It is a potent activator of macrophages, induces the production of cytokines, and upregulates the expression of class I and class II MHC antigens. Activation of IFN-gamma takes place through binding of IFN-gamma receptor I and II, and activating the JAK-STAT pathway. IFN-gamma does not show any homology with IFN-alpha or IFN-beta but human IFN-gamma shows about 40% sequence homology with mouse IFN-gamma.

Product Specifications

Immunogen:	Recombinant protein corresponding to amino acids 24–161 of human IFN-gamma
Alternate Names:	IFG (Interferon Gamma), IFI
Apparent MW:	~18 kDa
Gene ID:	3458
Protein Accession No.:	P01579
Sequence Identity:	Human
Sequence Homology:	Mouse, Rat, Monkey
Clone/PAD:	11H20L4
Lot:	See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Recombinant protein	1–3 µg/mL
Indirect ELISA	Human	Recombinant protein	1 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.

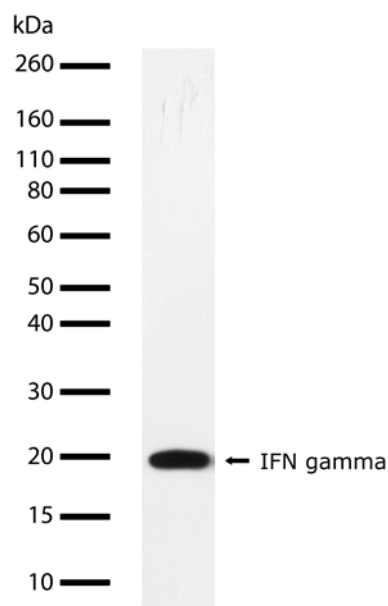


Figure 1 Western blot analysis of ABfinity™ IFN-gamma Recombinant Rabbit Monoclonal Antibody (Cat. no. 701263). Western blot analysis was performed using recombinant IFN-gamma protein. IFN-gamma protein was detected at ~18 kDa using ABfinity™ IFN-gamma Recombinant Rabbit Monoclonal Antibody at a concentration 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		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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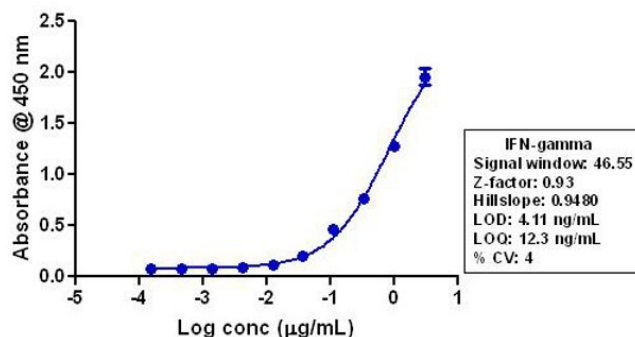


Figure 2 Indirect ELISA of ABfinity™ IFN-gamma Recombinant Rabbit Monoclonal Antibody (Cat. no. 701263).

Indirect ELISA was performed using various dilutions of ABfinity™ IFN-gamma Recombinant Rabbit Monoclonal Antibody (Cat. no. 701263) to detect recombinant IFN gamma 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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