

IFN- γ (Rt) Rabbit Recombinant Oligoclonal Antibody – Purified

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Catalog Number: 710152

Store at 2–8°C

Clonality: Oligoclonal
Concentration: 0.5 mg/mL
Quantity: 100 μ g
Volume: 200 μ L

Host/Class: Rabbit IgG
Reactivity: Rat interferon gamma
Predicted Reactivity: Rat

Product Description

Interferon gamma (IFN- γ), belongs to the type II interferon family, and is produced by the Th1 subpopulation of helper T cells (CD4⁺), cytotoxic T cells (CD8⁺), and NK cells. IFN- γ enhances the microbicidal function of macrophages through formation of nitric oxide and reactive oxygen intermediates (ROI). It also stimulates the expression of class I and class II MHC molecules and co-stimulatory molecules on antigen presenting cells, and promotes the differentiation of naive helper T cells into Th1 cells. IFN- γ activates polymorphonuclear leukocytes (PMN) and cytotoxic T cells, and increases the cytotoxicity of NK cells. This antibody was raised against rat IFN- γ . In rat, it is located on chromosome 7.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 23–156 of rat interferon gamma
Alternate Names: IFNG2
Apparent MW: ~18 kDa
Gene ID: 25712
Protein Accession No.: P01581
Sequence Identity: Rat
Clone/PAD: 18HCLC
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Rat	Active recombinant protein	1–3 μ g/mL
Indirect ELISA	Rat	Recombinant protein	1.5 x 10 ⁻⁴ to 3 μ g/mL

Storage and Handling

Store the antibody at 2–8°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.

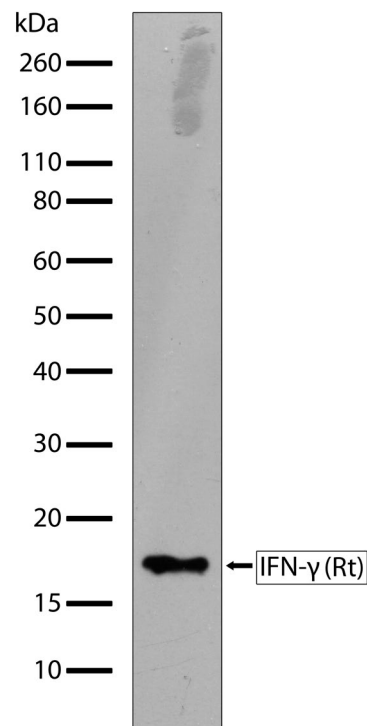


Figure 1 Western blot analysis of IFN- γ (Rt) Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710152). Western blot analysis was performed on active recombinant rat IFN- γ protein. A band corresponding to recombinant rat IFN- γ at ~18 kDa was detected using IFN- γ (Rt) Rabbit Recombinant Oligoclonal Antibody at a concentration of 1 μ g/mL. The blot was developed using chemiluminescence (ECL) method.

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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

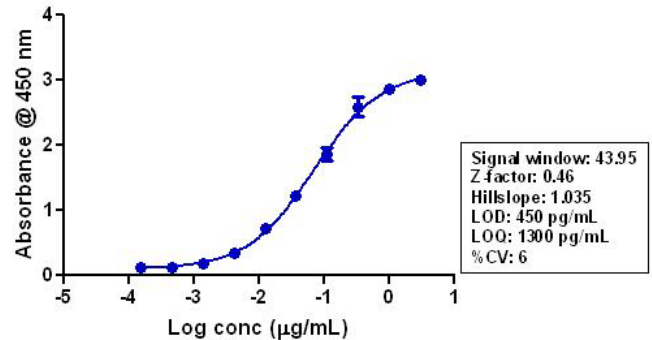


Figure 2 Indirect ELISA of IFN- γ (Rt) Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710152). Indirect ELISA was performed using various dilutions of IFN- γ (Rt) Rabbit Recombinant Oligoclonal Antibody (Cat. no. 710152) to detect recombinant IFN- γ (Rt) protein coated onto the plate. A non-linear regression analysis was performed (4 PL) and LOD and LOQ for the antibody was determined.

Explanation of symbols

Symbol	Description	Symbol	Description
	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.		

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