

ABfinity™ IFN alpha Recombinant Rabbit Monoclonal Antibody

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Rev. 1.00

Catalog Number: 701275

Store at 2°C 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 INF alpha
Predicted Reactivity: Human

Product Description

Interferon alpha (IFN alpha) is a Type I interferon belonging to a family of structurally related, species-specific proteins exclusive to vertebrates. The interaction of IFN-alpha with its receptor component results in the activation of a number of signaling pathways which are mainly involved in innate immune response against viral infection. In humans, the gene is located on chromosome 9.

Product Specifications

Immunogen: Recombinant protein corresponding to amino acids 24–189 of human Interferon alpha
Alternate Names: Alpha-Interferon, IFNA1
Apparent MW: ~19 kDa
Gene ID: 3429
Protein Accession No.: P01562
Sequence Identity: Human
Sequence Homology: Monkey
Clone/PAD: 9H1L1
Lot: See product label

Product Applications

| Application | Species | Test Material | Concentration |
|------------------|---------|---------------------|---------------|
| Western blotting | Human | Recombinant protein | 2–3 µg/mL |
| Indirect ELISA | Human | Recombinant protein | 1 µg/mL |

Storage and Handling

Store the antibody at 2°C to 8°C for up to 1 month, -20°C for long-term storage. Avoid repeated freezing and thawing.

Stability

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

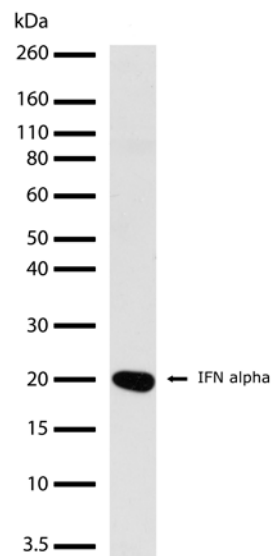


Figure 1 Western blot analysis of ABfinity™ IFN alpha Recombinant Rabbit Monoclonal Antibody (Cat. no. 701275).

Western blot analysis was performed on IFN alpha recombinant protein. IFN alpha recombinant protein was detected at ~19 kDa using IFN alpha ABfinity™ 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 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 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 |
| 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 |

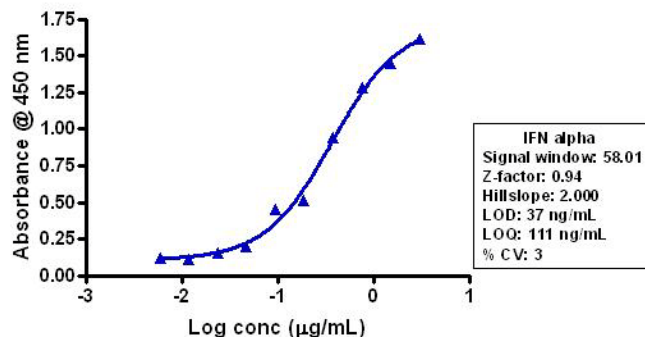


Figure 2 Indirect ELISA of IFN alpha ABfinity™ Recombinant Rabbit Monoclonal Antibody (Cat. no. 701275).

Indirect ELISA was performed using various dilutions of ABfinity™ IFN alpha Recombinant Rabbit Monoclonal Antibody to detect IFN alpha recombinant 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. | | |

Limited Product Warranty

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