ABfinity™ Insulin Recombinant Rabbit Monoclonal Antibody

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

Catalog Number 701265
Pub. No. MAN0007528  Rev. 1.00

Clonality: Monoclonal
Host/Class: Rabbit IgG

| Quantity: 100 μg | Volume: 200 μL | Concentration: 0.5 mg/mL |

Reactivity: Human Insulin

Product Description

Insulin is a hormone secreted by islet cells of the pancreas. It functions to regulate blood glucose homeostasis, and modulate lipid metabolism. Insulin is a cleavage product produced from proinsulin produced by beta cells. Proinsulin is cleaved into three peptides. The A and B-chains are covalently linked by disulphide bonds, and make up the insulin molecule.

Product Specifications

Immunogen: Folded protein domain corresponding to amino acids of Human Insulin

Apparent MW: ~ 11 kDa

Gene ID: 3630

Protein Accession No.: P01308

Sequence Identity: Human

Isotype: IgG1

Lot: See product label

Product Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Species</th>
<th>Test Material</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immunofluorescence</td>
<td>Human</td>
<td>Human pancreas</td>
<td>5 μg/mL</td>
</tr>
<tr>
<td>Immunocytochemistry</td>
<td>Human</td>
<td>Human pancreas</td>
<td>5 μg/mL</td>
</tr>
<tr>
<td>Indirect ELISA</td>
<td>Human</td>
<td>Recombinant protein</td>
<td>1.5 × 10⁻⁴ to 3 μg/mL</td>
</tr>
</tbody>
</table>

Storage and handling

Store the antibody at 2°C to 8°C for up to 1 month, or −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 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 Sheet (SDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing and gloves. SDSs are available at www.lifetechnologies.com/support.

Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheet (SDS), visit http://www.lifetechnologies.com/support.
Figure 2  Immunohistochemistry analysis of ABfinity™ Insulin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701265).

Immunohistochemistry analysis of human pancreatic tissue section stained with ABfinity™ Insulin Recombinant Rabbit Monoclonal Antibody. HRP conjugated goat anti-rabbit IgG was used as secondary antibody.

Figure 3  Indirect ELISA of ABfinity™ Insulin Recombinant Rabbit Monoclonal Antibody (Cat. no. 701265).

Indirect ELISA was performed using various dilutions of ABfinity™ Insulin Recombinant Rabbit Monoclonal Antibody. Insulin recombinant protein coated onto the plate. A non-linear regression analysis was performed (4 PL), LOD, and LOQ for the antibody was determined.

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies’ General Terms and Conditions of Sale found on Life Technologies’ website at www.lifetechnologies.com/termsandconditions. If you have any questions, please contact Life Technologies at www.lifetechnologies.com/support.

Explanation of Symbols

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Manufacturer" /></td>
<td>Manufacturer</td>
</tr>
<tr>
<td><img src="image" alt="Catalog number" /></td>
<td>Catalog number</td>
</tr>
<tr>
<td><img src="image" alt="Batch code" /></td>
<td>Batch code</td>
</tr>
<tr>
<td><img src="image" alt="Use by" /></td>
<td>Use by</td>
</tr>
<tr>
<td><img src="image" alt="Temperature limitation" /></td>
<td>Temperature limitation</td>
</tr>
<tr>
<td><img src="image" alt="Consult instructions for use" /></td>
<td>Consult instructions for use</td>
</tr>
<tr>
<td><img src="image" alt="Caution, consult accompanying documents" /></td>
<td>Caution, consult accompanying documents</td>
</tr>
</tbody>
</table>

DISCLAIMER: LIFE TECHNOLOGIES CORPORATION AND/OR ITS AFFILIATE(S) DISCLAIM ALL WARRANTIES WITH RESPECT TO THIS DOCUMENT, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. TO THE EXTENT ALLOWED BY LAW, IN NO EVENT SHALL LIFE TECHNOLOGIES AND/OR ITS AFFILIATE(S) BE LIABLE, WHETHER IN CONTRACT, TORT, WARRANTY, OR UNDER ANY STATUTE OR ON ANY OTHER BASIS FOR SPECIAL, INCIDENTAL, INDIRECT, PUNITIVE, MULTIPLE OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH OR ARISING FROM THIS DOCUMENT, INCLUDING BUT NOT LIMITED TO THE USE THEREOF.

NOTICE TO PURCHASER: Limited Use Label License No. 327: Recombinant Antibody Technology. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product in research and manufacturing conducted by the buyer [whether the buyer is an academic or for-profit entity]. The buyer cannot sell or otherwise transfer (a) this product, (b) its components or (c) materials made using this product or its components to a third party or otherwise use this product or its components or materials made using this product or its components for Commercial Purposes. The buyer may transfer information or materials made through the use of this product to a scientific collaborator, provided that such transfer is not for any Commercial Purpose, and that such collaborator agrees in writing (a) not to transfer such materials to any third party, and (b) to use such transferred materials and/or information solely for research and not for Commercial Purposes. Commercial Purposes means any activity by a party for consideration and may include, but is not limited to: (1) use of the product or its components for contract manufacturing services; (2) use of the product or its components to provide a service, information, or data; (3) use of the product itself or its components as a therapeutic, diagnostic or prophylactic; or (4) resale of the product or its components, whether or not such product or its components are resold for use in research or manufacturing. If the purchaser is not willing to accept the limitations of this limited use statement, Life Technologies is willing to accept return of the product for a full refund. For information on obtaining additional rights, please contact outlicensing@lifetech.com.

© 2012 Life Technologies Corporation. All rights reserved. The trademarks mentioned herein are the property of Life Technologies Corporation and/or its affiliates or their respective owners.