

# Product Datasheet

## Insulin Antibody (IRDN/794) NBP2-45108-0.1mg

Unit Size: 0.1 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Reviews: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-45108](http://www.novusbio.com/NBP2-45108)

Updated 8/21/2025 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-45108](http://www.novusbio.com/reviews/destination/NBP2-45108)



**NBP2-45108-0.1mg**

Insulin Antibody (IRDN/794)

**Product Information**

|                                |                          |
|--------------------------------|--------------------------|
| <b>Unit Size</b>               | 0.1 mg                   |
| <b>Concentration</b>           | 0.2 mg/ml                |
| <b>Storage</b>                 | Store at 4C.             |
| <b>Clonality</b>               | Monoclonal               |
| <b>Clone</b>                   | IRDN/794                 |
| <b>Preservative</b>            | 0.05% Sodium Azide       |
| <b>Isotype</b>                 | IgG1 Kappa               |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | 10 mM PBS with 0.05% BSA |
| <b>Target Molecular Weight</b> | 6 kDa                    |

**Product Description**

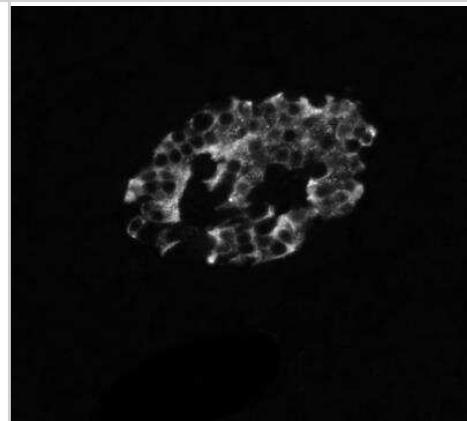
|                                |  |
|--------------------------------|--|
| <b>Description</b>             | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47726)<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.   |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 3630   |
| <b>Gene Symbol</b>             | INS  |
| <b>Species</b>                 | Human, Mouse, Rat, Porcine, Bovine   |
| <b>Marker</b>                  | beta-Cell & Insulinoma Marker  |
| <b>Specificity/Sensitivity</b> | Recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains connected through the C-peptide. Proinsulin, which has very little biological activity, is cleaved by proteases within its cell of origin into the insulin molecule and the C-terminal basic residue. Insulin enhances membrane transport of glucose, amino acids, and certain ions. It also promotes glycogen storage, formation of triglycerides, and synthesis of proteins and nucleic acids. Deficiency of insulin results in diabetes mellitus. The main storage site for insulin is the pancreatic islets. Antibodies to insulin are important as beta-cell and insulinoma marker. |
| <b>Immunogen</b>               | Recombinant Insulin protein (Uniprot: P01308)  |

**Product Application Details**

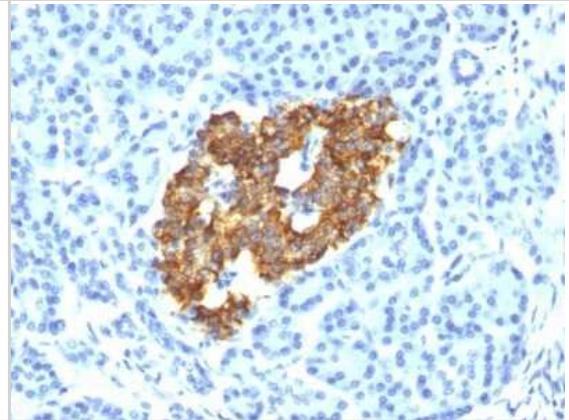
|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Immunohistochemistry-Paraffin, Immunohistochemistry   |
| <b>Recommended Dilutions</b> | Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml   |
| <b>Application Notes</b>     | Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined. |

## Images

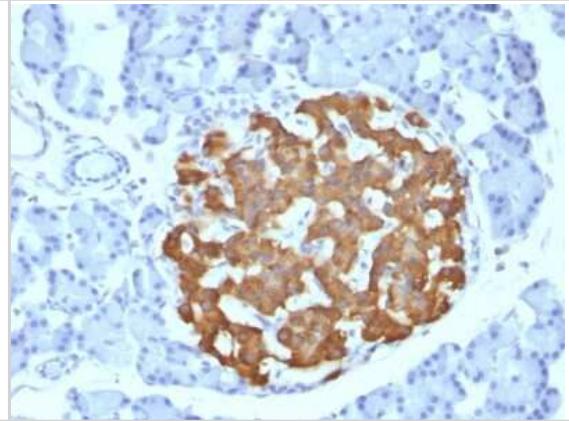
Immunohistochemistry-Paraffin: Insulin Antibody (IRDN/794) [NBP2-45108] - Insulin I RDN/794 antibody on human pancreas (FFPE), HIER pH 9 antigen retrieval. Image from verified customer review.



Immunohistochemistry-Paraffin: Insulin Antibody (IRDN/794) [NBP2-45108] - Human Pancreas stained with Insulin Monoclonal Antibody (IRDN/794).



Immunohistochemistry-Paraffin: Insulin Antibody (IRDN/794) [NBP2-45108] - Rat Pancreas stained with Insulin Monoclonal Antibody (IRDN/794).





## Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

## Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

## Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

## General Contact Information

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## Products Related to NBP2-45108-0.1mg

|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP1-87485PEP    | Insulin Recombinant Protein Antigen                     |

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-45108](http://www.novusbio.com/reviews/submit/NBP2-45108)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)