

# Product Datasheet

## Insulin Antibody (D3E7 (5B6/6)) - BSA Free NB100-64697

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-64697**

Insulin Antibody (D3E7 (5B6/6)) - BSA Free

**Product Information**

|                      |                                                                                        |
|----------------------|----------------------------------------------------------------------------------------|
| <b>Unit Size</b>     | 0.1 mg                                                                                 |
| <b>Concentration</b> | 1.0 mg/ml                                                                              |
| <b>Storage</b>       | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| <b>Clonality</b>     | Monoclonal                                                                             |
| <b>Clone</b>         | D3E7 (5B6/6)                                                                           |
| <b>Preservative</b>  | <0.1% Sodium Azide                                                                     |
| <b>Isotype</b>       | IgG1                                                                                   |
| <b>Purity</b>        | Protein A purified                                                                     |
| <b>Buffer</b>        | PBS                                                                                    |

**Product Description**

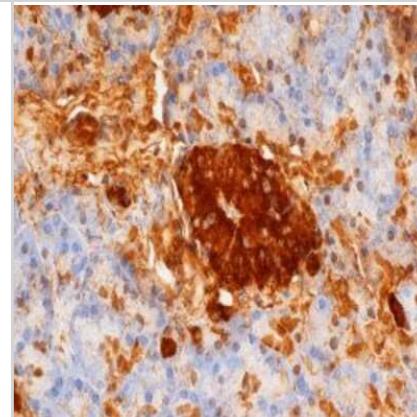
|                                |                                                                                                                                                                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                      |
| <b>Gene ID</b>                 | 3630                                                                                                                                                                                                                                                                                                       |
| <b>Gene Symbol</b>             | INS                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                                                      |
| <b>Reactivity Notes</b>        | Predicted cross-reactivities: Porcine, Rat, Mouse, Bovine<br/><br/>Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information. |
| <b>Specificity/Sensitivity</b> | NB100-64697 recognises both insulin and proinsulin, but does not react with free C-peptide.                                                                                                                                                                                                                |
| <b>Immunogen</b>               | Recombinant human insulin                                                                                                                                                                                                                                                                                  |

**Product Application Details**

|                              |                                                                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | ELISA, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin                                               |
| <b>Recommended Dilutions</b> | ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500 |

**Images**

Immunohistochemistry-Paraffin: Insulin Antibody (D3E7 (5B6/6)) [NB100-64697] Staining of paraffin embedded human pancreas.



## Publications

Ortega MA, Rodriguez-Comas J, Yavas O et al. In Situ LSPR Sensing of Secreted Insulin in Organ-on-Chip Biosensors 2021-04-28 [PMID: 33924867] (ELISA, Mouse)





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## Products Related to NB100-64697

|                  |                                                         |
|------------------|---------------------------------------------------------|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-97005-0.5mg | Mouse IgG1 Isotype Control (MG1)                        |
| 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.

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