

# Product Datasheet

## **Insulin Antibody (2D11-H5 (same as INS05)) [Janelia Fluor® 646] NBP2-33146JF646**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-33146JF646**

Insulin Antibody (2D11-H5 (same as INS05)) [Janelia Fluor® 646]

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 0.1 ml   |
| Concentration               | Please see the vial label for concentration. If unlisted please contact technical services.  |
| Storage                     | Store at 4C in the dark.   |
| Clonality                   | Monoclonal   |
| Clone                       | 2D11-H5 (same as INS05)  |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG1 Kappa   |
| Conjugate                   | Janelia Fluor 646  |
| Purity                      | Protein A or G purified  |
| Buffer                      | 50mM Sodium Borate   |
| Product Description         |  |
| Host                        | Mouse  |
| Gene ID                     | 3630   |
| Gene Symbol                 | INS  |
| Species                     | Human, Mouse, Porcine, Bovine  |
| Marker                      | beta-Cell & Insulinoma Marker  |
| Specificity/Sensitivity     | 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. |
| Immunogen                   | Purified pig insulin, conjugated to KLH (Uniprot: P01308)  |
| Notes                       | Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.  |
| Product Application Details |  |
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready  |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready  |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.   |



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### **Products Related to NBP2-33146JF646**

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|               |                                     |
|---------------|-------------------------------------|
| NBP1-87485PEP | Insulin Recombinant Protein Antigen |
| 236-EG-200    | EGF [Unconjugated]                  |
| DINS00        | Insulin [HRP]                       |
| 210-TA-005    | TNF-alpha [Unconjugated]            |

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### **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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