

Anti-Insulin Antibody [2D11-H5] (A249036)

Specifications:

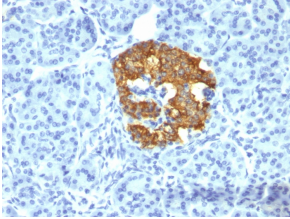
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| Name: | Anti-Insulin Antibody [2D11-H5] |
| Description: | Mouse monoclonal [2D11-H5] antibody to Insulin. |
| Specificity: | This antibody recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains 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. |
| Applications: | Flow Cytometry, IF, IHC-P |
| Recommended Dilutions: | Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IHC-P: 0.1-0.2 µg/ml |
| Reactivity: | Human, Bovine, Porcine, Mouse |
| Immunogen: | Purified pig insulin, conjugated to KLH. |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Clone ID: | 2D11-H5 |
| Isotype: | IgG1 |
| Light Chains: | kappa |
| Conjugate: | Unconjugated |
| Purification: | Protein A/G chromatography. |
| Concentration: | 200 µg/ml |
| Product Form: | Liquid |
| Formulation: | Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide. |
| Storage: | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| General Notes: | This antibody is also known as Clone INS05. This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Insulin Antibody [2D11-H5] - BSA and Azide free (A252216). |

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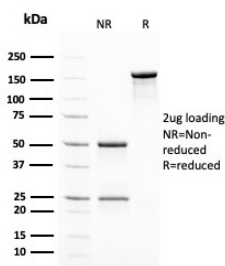
Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human pancreas using Anti-Insulin Antibody [2D11-H5].



SDS-PAGE analysis of Anti-Insulin Antibody [2D11-H5] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.