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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Guinea Pig anti Swine insulin

Catalogue number: **GpASw/Ins/7S**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	10 mg
Host	Guinea Pig
Species reactivity	Swine
Application	Dot blot ELISA Immunoblotting Immunofluorescence

Distributors

For Purchasing Information, please contact your local distributor

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Background

The reactivity of the antiserum is directed to insulin as tested by ELISA and immunoblotting. No reaction was obtained with other swine serum proteins. The cytochemical grade allows the use in different types of highly sensitive immunoassays on appropriately treated cell and tissue substrates; in radioimmunoassay; for the production of immunoconjugates with a selected marker; to prepare immunoaffinity adsorbents by coupling to an artificial carrier; in non-isotopic methodology based on solid phase immunochemistry (e.g. ELISA), both as catching antibody and detection reagent; in Western blotting. This product is not pre-diluted. The optimum working dilution of each product should be established by titration before being used.

Source

Insulin is a hormone produced by the beta cells of the islets of Langerhans in the pancreas. It plays an important role in the metabolism of carbohydrate by its effects on the storage of glycogen in the liver, the conversion of carbohydrate to fat, and the oxidation of glucose by the peripheral tissues. Insulin has a molecular weight of 6,000 and contains two peptide chains linked by two disulphide bonds. The hormone is isolated from porcine pancreas. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Purified hyperimmune guinea pig IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity.

Applications

Indirect immunofluorescence, ELISA, Dot blot, Immunoblotting.

Cross Reactivity

Inter-species cross-reactivity is a normal feature of antibodies to mammalian proteins, since homologous proteins of different species frequently share antigenic determinants. The degree of cross-reactivity is also dependent on the concentrations of the reactants and the sensitivity of the assay arrangement. This antiSerum fraction has not been tested for cross-reactivity.

Specificity

Purified IgG fraction of polyclonal Guinea Pig antiSerum to Swine insulin

Storage

The lyophilized product is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the product. Lyophilized at +4°C--at least 10 years. Reconstituted at or below -20°C--3-5 years. Reconstituted at +4°C--7 days

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.