

R1103P**Polyclonal Antibody to Pancreatic Islet Lysate - Ig Fraction**

Quantity: 0.5 mg
Concentration: 1.0 mg/ml (by UV absorbance at 280 nm)
Host: Dog
Immunogen: Sonicated crude membrane fraction of porcine pancreatic islets of langerhans cells.
Format: **State:** Liquid (sterile filtered) purified Ig fraction.
Purification: Multi-step process.
Buffer System: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 0.01% (w/v) Sodium Azide as preservative.

Applications: Suitable for Immunoblotting (Western or Dot blot) and ELISA.
Recommended Dilutions: This product has been assayed against 1.0 ug of Pancreatic Islet Lysate [Porcine Pancreas] in a standard sandwich ELISA using Peroxidase conjugated Affinity Purified anti-Dog IgG [H&L] (Goat) and o-Phenylenediamine (OPD) as a substrate. A working dilution of 1:50 to 1:100 is suggested for this product. This product has been assayed against 1.5 ug of Pancreatic Islet Lysate [Porcine Pancreas] per lane by Immunoblot (Western) under reducing conditions of SDS-PAGE prior to transfer to nitrocellulose and detection using Peroxidase conjugated Affinity Purified anti-Dog IgG [H&L] (Goat) and Diaminobenzidine (DAB) as a substrate. A working dilution of 1:50 to 1:200 is suggested for this product.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Dog Serum.
Cross reactivity was determined by immunoblot (western) to be minimal against porcine kidney and porcine liver cell lysates.

Storage: Store vial at -70°C prior to opening.
For extended storage aliquot contents and freeze at -20°C or below.
Avoid cycles of freezing and thawing.
Dilute only prior to immediate use.
Shelf life: one year from despatch.

General Readings: 1. Kühtreiber WM, Lanza RP, Chick WL. Secretory function of biohybrid pancreas devices containing isolated porcine islets. ASAIO J. 1994 Jul-Sep;40(3):M789-92. PubMed PMID: 8555622.
2. Warnock, C.L., Rajotte, R.V. (1988) Critical Mass of Purified Islet that Induce Implantation into Diabetic Dogs. Diabetes 37; 467-470.