

Datasheet for 214-A01-118**Pancreatic Islet Lysate Antibody****Overview**

Description:	Anti-PANCREATIC ISLET LYSATE (Porcine Pancreas) (DOG) Antibody - 214-A01-118
Item No.:	214-A01-118
Size:	500 µg
Reactivity:	Pig
Host Species:	Dog

Product Details

Background:	Pancreatic hormone is synthesized in pancreatic islets of Langerhans and acts as a regulator of pancreatic and gastrointestinal functions. It may be used as a marker of the viability of xenotransplanted fetal pancreatic tissue in the immediate post-transplant period.
Synonyms:	IgG fraction of Anti-pancreatic islet lysate, Dog Anti-Pancreatic lysate (porcine pancreas), Anti-pancreatic lysate produced in dog, dog anti-Pancreatic Islet Lysate Antibody, canine anti-Pancreatic Islet Lysate Antibody
Host Species:	Dog
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PPY
Reactivity:	Pig
Immunogen Type:	Native Protein
Immunogen:	Sonicated crude membrane fraction of porcine pancreatic islets of langerhans cells
Purity/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.

Relevant Links:

- [UniProtKB - P01300](#)

Application Details

Application Note:

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) code #604-1302 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) code #604-1302 and Diaminobenzidine (DAB) as a substrate. A working dilution of 1:50 to 1:200 is suggested for this product.

Assay Dilutions:

All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:

Liquid (sterile filtered)

Buffer:

0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative:

0.01% (w/v) Sodium Azide

Stabilizer:

None

Shipping & Handling

Shipping Condition:

Dry Ice

Storage Condition:

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration:

Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.