

Anti-PANCREATIC ISLET LYSATE (Porcine Pancreas) (DOG) Antibody - 214-A01-118

Code: 214-A01-118

Size: 500 µg

Product Description: Anti-PANCREATIC ISLET LYSATE (Porcine Pancreas) (DOG) Antibody - 214-A01-118

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated								
Host	Dog								
Species Reactivity	porcine								
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2								
Stabilizer	None								
Preservative	0.01% (w/v) Sodium Azide								
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.								
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								
Application Note	This product has been assayed against 1.0 µg 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 µg 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.								
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.								
Purity And 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.								
Expiration	Expiration date is one (1) year from date of opening.								
Immunogen	Sonicated crude membrane fraction of porcine pancreatic islets of langerhans cells								
General Reference	Kuhtreiber, W.M., Lanza, R.P. and Chick, W.L. (1994) Secretory Function of Biohybrid Pancreas Devices Containing Isolated Porcine Islets. <i>Asaio J.</i> 40; M789-92.								
Related Products	<table border="0"> <tr> <td>604-4202</td> <td>Anti-DOG IgG (H&L) (RABBIT) Antibody Fluorescein Conjugated - 604-4202</td> </tr> <tr> <td>604-4302</td> <td>Anti-DOG IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 604-4302</td> </tr> <tr> <td>B304</td> <td>NORMAL GOAT SERUM (NGS) - B304</td> </tr> <tr> <td>B501-0500</td> <td>BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500</td> </tr> </table>	604-4202	Anti-DOG IgG (H&L) (RABBIT) Antibody Fluorescein Conjugated - 604-4202	604-4302	Anti-DOG IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 604-4302	B304	NORMAL GOAT SERUM (NGS) - B304	B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500
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Related Links	UniProtKB - P01300								

Disclaimer

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