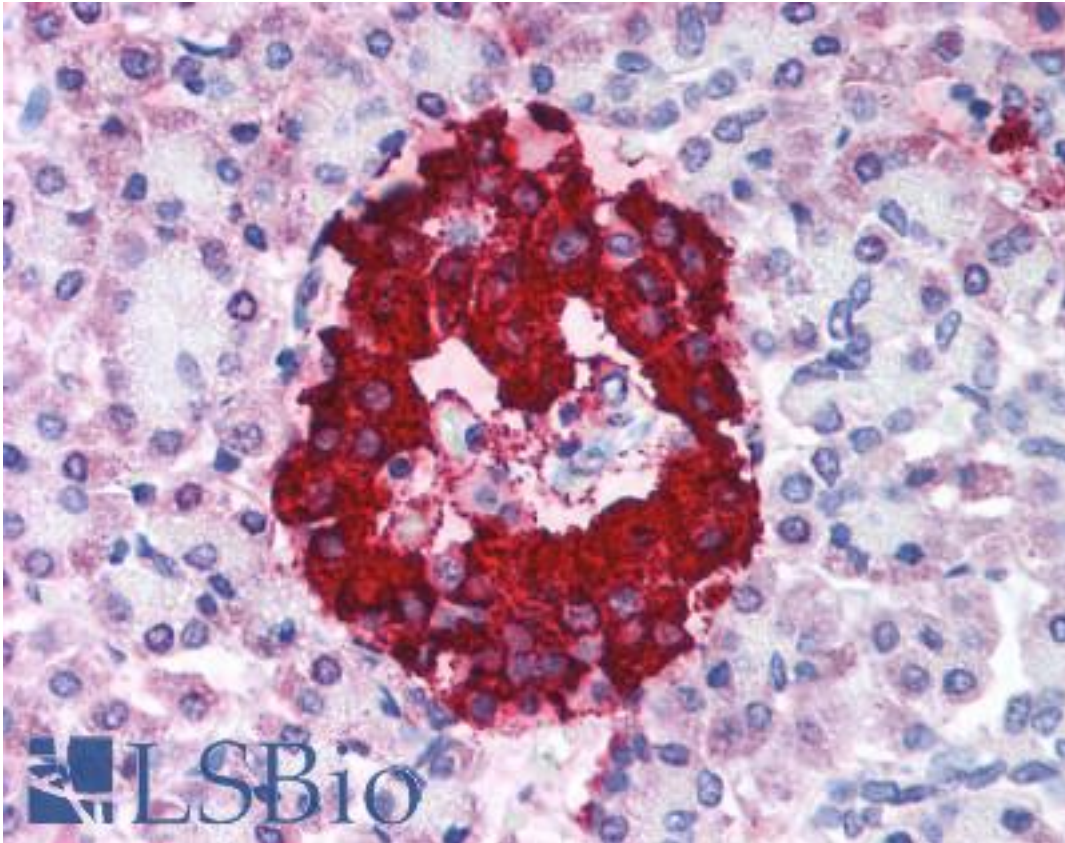


Insulin Mouse anti-Human Monoclonal (2D11.H5) Antibody - LS-B1445 - LSBio

CatalogID:	LS-B1445
Validation:	This antibody replaces catalog number LS-C18823. It has been validated for use in the following assays: IHC.
Target:	insulin
Synonyms:	INS Antibody, IRDN Antibody, IDDM2 Antibody, Preproinsulin Antibody, ILPR Antibody, Insulin Antibody, MODY10 Antibody, Proinsulin Antibody
Family / Subfamily:	Hormone / not assigned-Hormone
Host	INS antibody was produced in Mouse
Clonality:	Monoclonal
Isotype:	IgG1,k
Clone Name:	2D11.H5
Immunogen Species:	Insulin antibody was raised against Human
Immunogen:	Insulin antibody was raised against fusion protein from human INS / Insulin.
Specificity:	Purified human insulin coupled to bovine serum albumin (BSA). Hybridoma: Produced by the fusion between BALB/c mouse splenocytes and mouse myeloma SP2/0 cells after immunization with insulin from human pancreas using conventional hybridoma technology.
Reactivity:	Human
Purification:	Protein A purified
Presentation:	0.02 M potassium phosphate, 0.5 M sodium chloride, pH 7.2, 0.01% sodium azide.
Recommended Storage:	+4°C or -20°C, Avoid repeated freezing and thawing.
Usage Summary:	Immunohistochemistry: LS-B1445 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B1445 was determined to be 5 ug/ml.
Uses:	IHC - Paraffin (5 µg/ml), Western blot, ELISA (Optimal dilution to be determined by the researcher)
Size:	50 µg
Concentration:	1 mg/ml

Immunohistochemistry Image:



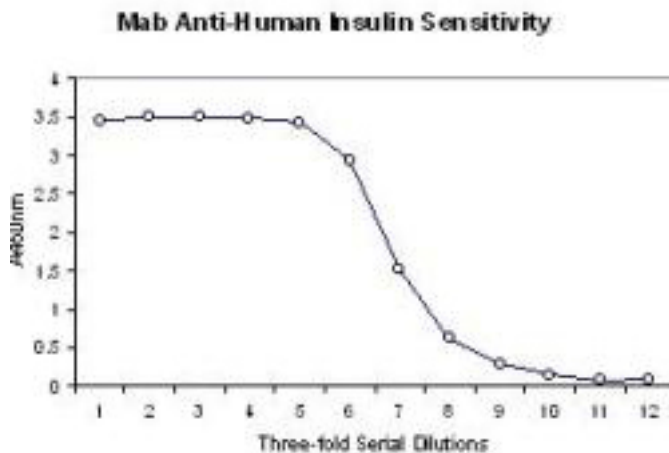
Anti-Insulin antibody IHC of human pancreas. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B1445 concentration 5 ug/ml.

Dot Blot Image:



Anti-Insulin Antibody - Dot Blot. Dot blotting. Mab anti-Insulin antibody (clone 2D11. H5) is shown to detect human insulin by dot blot. Each dot blot represents 1 ul of non-denatured human insulin at various dilutions starting at 1.0 ug/ml spotted on to nitrocellulose. A 1:400 dilution of Mab anti-Insulin is used for 2 hour followed by detection using a 1:5000 dilution of IRDyeTM800 conjugated Goat-a-Mouse IgG [H&L] (reacted for 45 min at room temperature and visualization using the Odyssey Infrared Imaging System developed by LI-COR. Other detection systems will yield similar results. IRDye is a trademark of LI-COR, Inc.

ELISA Image:



Anti-Insulin Antibody - ELISA. ELISA Results of Mab anti-Insulin antibody tested against human insulin by ELISA. Each well was coated with 0.1ug of conjugate. The starting concentration of antibody in the dilution series was 10 ug/ml. Each point on the Y-axis represents a 3-fold dilution. The midpoint of the titration curve represents approximately 5 ng/ml antibody or a 1:200000 dilution from the stock concentration. HRP conjugated Gt-a-Mouse IgG H&L(LS-C60680) and TMB substrate were used for detection.

Requested From:

Japan

Laboratory Reagent For In Vitro Research Use Only

Not for resale without prior written consent from LifeSpan BioSciences, Inc.

Created on 9/23/2014

© 2014 LifeSpan BioSciences