

Monoclonal Mouse Antibody to Insulin

Catalog No.:	Mob 408, Mob 408-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Immunogen:	Swine insulin.
Clone:	E2-E3
Isotype:	IgG1, kappa
Format:	This antibody is supplied as diluted ascites containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:50-1:100 in an ABC method. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of 30 minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. <u>Suitable for formalin fixed, paraffin embedded tissue sections. No pretreatment is required for paraffin sections.</u>
Specificity:	Insulin is a hormone secreted by the beta cells of the islets of Langerhans in the pancreas. Insulin is a 51 amino acid polypeptide composed of A and B chains connected through the C-peptide. Insulin promotes glycogen storage, formation of triglycerides, and synthesis of protein and nucleic acids. Cross reaction has been observed with insulin containing cells in fixed sections of pancreas from human, cow, pig, rabbit, and rat.
Positive Control:	Pancreas
Cellular Localization:	Cytoplasmic
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) Keilacker et al. Biomed Biochem Acta 45: 1093, 1986. ii) Madsen J. Diabetes 36: 1203, 1987. iii) Witt et al. Acta Histochem suppl. XXXV, 217, 1988.

IVD: For In Vitro Diagnostic Use

DBS will not be held responsible for patent infringement or other violation that may occur with the use of our product

DBS

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