

BM270B**Monoclonal Antibody to C-Peptide - Biotin**

Alternate names:	Connecting Peptide, Proinsulin
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	From every molecule of Proinsulin, one molecule of Insulin plus one molecule of C-peptide are produced. C-peptide is released into the blood stream in equal amounts to Insulin.
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10B (for use in human samples)
Clone:	C-PEP-01
Immunogen:	Human C-peptide conjugated to BSA
Format:	State: Liquid purified Ig fraction Buffer System: PBS, pH~7.4 Preservatives: 15 mM Sodium Azide Label: Biotin – Conjugated with -LC-NHS under optimum conditions. The reagent is free of unconjugated biotin
Applications:	Immunohistochemistry on Paraffin Sections: 25 µg/ml. Positive Control: Human pancreas (islets of Langerhans). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts specifically with C-peptide, a part of the Proinsulin molecule. Proinsulin consists of the three parts: C-peptide and two long strands of amino acids (alpha and beta chains; later become linked together to form the Insulin molecule). No cross-reactivity with Insulin or other peptide hormones or proteins was observed.
Species Reactivity:	Tested: Human
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
General Readings:	1. Hilgert I, Stolba P, Kristofová H, Stefanová I, Bendlová B, Lebl M, et al. A monoclonal antibody applicable for determination of C-peptide of human proinsulin by RIA. Hybridoma. 1991 Jun;10(3):379-86. PubMed PMID: 1916848.

Pictures:

Immunohistochemistry staining of human pancreas (paraffin-embedded sections) with anti-human to C-peptide of Proinsulin (Clone C-PEP-01).

