

BM270S**Monoclonal Antibody to C-Peptide (+ Proinsulin) - Purified**

Alternate names:	Connecting Peptide, Proinsulin
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	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). 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:	SM10P (for use in human samples), AM03095PU-N
Clone:	C-PEP-01
Immunogen:	Human C-peptide conjugated to Bovine Serum Albumin
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Precipitation Methods Buffer System: PBS, pH~7.4 Preservatives: 15 mM Sodium Azide
Applications:	RIA. ELISA. Immunocytochemistry. Immunohistochemistry on Paraffin Sections: 2-5 µg/ml. Pretreatment of paraffin sections with 0.1% Trypsin in PBS for 30 min at 37°C is recommended. <u>Positive Control:</u> Human pancreas (islets of Langerhans). According to customer information this antibody does not work in Western blotting. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody <i>clone C-PEP-01</i> reacts specifically with C-peptide of Proinsulin. 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.
Product Citations:	Purchased from Acris: 1. Chia, CY. The role of transcription factor GATA6 in the development of the human pancreas. Thesis 2018 Originator or purchased from resellers: 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:

Immunohistochemical staining of Human pancreas (Paraffin-embedded sections) with C-peptide antibody clone C-PEP-01 Cat.-No. BM270S.

