Monoclonal Antibody to C-peptide of Proinsulin
Purified Antibody (0.1 mg)

**Clone:** C-PEP-01  
**Isotype:** Mouse IgG1  
**Specificity:** The antibody C-PEP-01 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.

**Regulatory Status:** RUO  
**Immunogen:** Human C-peptide conjugated to bovine serum albumin.  
**Species Reactivity:** Human  
**Application:** ELISA  
RIA  
Immunohistochemistry (paraffin sections)  
**Recommended dilution:** purified 2-5 µg/ml  
biotin 25 µg/ml  
**Positive control:** human pancreas (islets of Langerhans)  
**Immunocytochemistry**

**Purity:** > 95% (by SDS-PAGE)  
**Purification:** Purified by precipitation and chromatography  
**Concentration:** 1 mg/ml  
**Storage Buffer:** Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4  
**Storage / Stability:** Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.

**Expiration:** See vial label  
**Lot Number:** See vial label  
**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.


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