Monoclonal Antibody to C-peptide
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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