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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Technically
Speaking

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Purified Mouse anti-Human C-peptide of Proinsulin Monoclonal Antibody

CLX133AP

Lot:

Size: 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.

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 from ascites by precipitation methods.

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 use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Continued...

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In CANADA: Toll Free: 1-800-268-5058

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138
e-mail: service@cedarlanelabs.com

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.

References:

*Hilgert I, Stolba P, Kristofova H, Stefanova I, Bendlova B, Lebl M, Horejsi V.: A monoclonal antibody applicable for determination of C-peptide of human proinsulin by RIA. Hybridoma. 1991 Jun;10(3):379-86.

Laboratory Reagent For Research Use Only

JV 06/18/09