



BMA BIOMEDICALS



Peninsula Laboratories

T-4213

Rabbit anti C-Peptide (human)

The connecting peptide, or C-peptide of human proinsulin, is a 31-amino-acid polypeptide that connects insulin's A-chain to its B-chain. In the context of diabetes or hypoglycemia, a measurement of C-peptide blood serum levels can be used to distinguish between different conditions with similar clinical features. In normal tissues, the antigen is found in pancreatic islet β -cells. C-peptide has been found to be a bioactive peptide in its own right, with effect on microvascular blood flow and tissue health.

This antibody was generated by immunization of rabbits with coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	n/a
Host species:	Rabbit IgG
Quantity:	50ml diluted antiserum, lyophilized
Format:	Each vial contains enough antiserum for 500 RIA tubes. The powder should be rehydrated with 50ml RIA buffer. Upon reconstitution to 50ml total volume, the solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Store at 4°C. This should ensure antibody stability for approximately one month.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
Applications:	This antibody has been tested and validated in ELISA against C-Peptide. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Glu-Ala-Glu-Asp-Leu-Gln-Val-Gly-Gln-Val-Glu- Leu-Gly-Gly-Gly-Pro-Gly-Ala-Gly-Ser-Leu-Gln-Pro-Leu-Ala-Leu- Glu-Gly-Ser-Leu-Gln-OH coupled to carrier protein.

Cross-Reactivity:

PEPTIDE:	%
C-Peptide (human)	100
Glucagon (1-29) (human, bovine, porcine)	0
Insulin (human)	0
Amylin (human)	0
Amylin (free acid) (human)	0
Amylin (rat)	0
Somatostatin-14	0
Pancreatic Polypeptide (human)	0
α -CGRP (human)	0
α -CGRP (rat)	0
Chromogranin A (250-301) amide (human)	0
VIP (human, bovine, porcine, rat)	0

Related Products: T-1313: monoclonal mouse anti human C-Peptide
S-1242: ELISA, high sensitivity for extracted samples
T-4215: anti C-Peptide (hu), neat rabbit antiserum
T-5013: anti Insulin (hu), diluted guinea pig antiserum
T-5014: anti Insulin (hu), purified guinea pig IgG
T-5015: anti Insulin (hu), neat guinea pig antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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diluted antiserum

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