



BMA BIOMEDICALS



Peninsula Laboratories

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## T-4214

### 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  $\beta$ -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 C-peptide coupled to a carrier protein.

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#### TECHNICAL AND ANALYTICAL CHARACTERISTICS

<b>Lot number:</b>	023075
<b>Host species:</b>	Rabbit IgG
<b>Quantity:</b>	400 $\mu$ g
<b>Format:</b>	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
<b>Stability:</b>	Original vial: at least one year at 4 $^{\circ}$ - 8 $^{\circ}$ C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20 $^{\circ}$ C or below.
<b>Applications:</b>	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 <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	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 a 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	0
Pancreatic Polypeptide (human)	0
$\alpha$ -CGRP (human)	0
$\alpha$ -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  
T-4213: anti C-Peptide (hu), diluted rabbit antiserum  
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

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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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rabbit IgG

1.3.2021