BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti C-Peptide

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 differentconditions 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 effectson microvascular blood flow and tissue health.

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

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number: T-4214 (Lot 023075)

Clonality: Polyclonal

Host species: Rabbit IgG

Reactivity: Human

Quantity: 400µg

Format: Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffered saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.

Reconstitute by adding 0.2ml of distilled water.

Stability and Storage: Original vial: 1 year at 4° - 8°C from date of purchase.
Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.

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.

Protein database: human-P01308

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

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Cross-Reactivity:

PEPTIDE	%
Amyiln (rat)	0
Somatostatin	0
Pancreastic Polypeptide (human)	0
α-CGRP (human)	0
α-CGRP (rat)	0
Chromogranin A (250-301) amide (human)	0
VIP (human, bovine, porcine, rat)	0

Applications:

Tested in ELISA against C-Peptide and in immunohistochemistry (IHC). Other applications like FACS and 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

Related Products:

T-1313: monoclonal mouse anti human C-Peptide
T-1321: monoclonal mouse anti human Insulin
T-4215: Rabbit anti C-Peptide, neat antiserum
T-5013: Guinea pig anti Insulin, diluted antiserum
T-5014: Guinea pig anti Insulin, purified antiserum
T-5015: Guinea pig anti Insulin, neat antiserum
S-1242: ELISA high sensitivity for extracted samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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