

Product Datasheet

C-Peptide Antibody (1H8)

NB110-2554

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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Updated 4/20/2021 v.20.1

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Product Information

Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	1H8
Preservative	0.09% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS (pH 7.4)

Product Description

Host	Mouse
Gene ID	3630
Gene Symbol	INS
Species	Human
Reactivity Notes	No cross-reactivity with human, bovine, porcine and mouse/rat insulin. All MAbs bind with equal efficiency to the human free C-peptide and C-peptide region in proinsulin molecules. Antigenic determinants identified by MAbs are in the three-dimensional structure generated by N- and C-terminal regions of C-peptide separated by beta-turn at position 47-50 of proinsulin.
Specificity/Sensitivity	Binds to the human free C-peptide and proinsulin molecules. No cross reactivity with human, bovine, porcine insulins. Affinity (Kd) > 1 x 10 ⁸
Immunogen	This C-Peptide antibody is made to a recombinant full length protein.

Product Application Details

Applications	ELISA, Radioimmunoassay
Recommended Dilutions	ELISA 1:100 - 1:2000, Radioimmunoassay 1:100 - 1:2000
Application Notes	Competitive ELISA or RIA detection of C-peptide in human serum without or after immunospecific removal of proinsulin (with solid-phased ab8299 (1D6) to human proinsulin) Construction of a sensitive two-site sandwich EIA/ RIA immunosorbent assays for the measurement of total (including proinsulin conversion intermediates) human proinsulin in serum. ab8298 (2B7) used in conjunction with this antibody would be suitable. Specific immunosorbitional (with solid-phase 1H8) removal of total proinsulin and C-peptide molecules from serum samples before the measurement of human insulin.



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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