

# Product Datasheet

## C-Peptide Antibody (2A11) **NB100-72991**

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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**NB100-72991**

C-Peptide Antibody (2A11)

**Product Information**

<b>Unit Size</b>	0.2 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2A11
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4)

**Product Description**

<b>Host</b>	Mouse
<b>Gene ID</b>	3630
<b>Gene Symbol</b>	INS
<b>Species</b>	Human, Bovine (Negative), Mouse (Negative), Porcine (Negative), Rat (Negative)
<b>Reactivity Notes</b>	No cross-reactivity with human, bovine, porcine and mouse/rat insulin.
<b>Specificity/Sensitivity</b>	This is reacting only with rat C-peptide. Bind to the human free C-peptide and C-peptide region in proinsulin molecules. Antigenic determinants identified by monoclonal antibodies 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.
<b>Immunogen</b>	Derived from hybridization of X63-Ag8-653 myeloma cells with spleen cells of Balb/c mice immunized with recombinant C-peptide construction.

**Product Application Details**

<b>Applications</b>	Enzyme Immunoassay, ELISA, Radioimmunoassay, Competitive ELISA
<b>Recommended Dilutions</b>	ELISA 1:100-1:2000, Radioimmunoassay 1:100-1:2000, Enzyme Immunoassay, Competitive ELISA
<b>Application Notes</b>	Competitive ELISA or RIA detection of C-peptide in human serum after immunospecific removal of proinsulin (with solid-phased MAbs 1D6 to human proinsulin (Cat.# NB110-2556)). Construction of a sensitive two-site sandwich EIA/ RIA immunosorbent assay for the measurement of total human proinsulin (including proinsulin conversion intermediates) in serum. Specific immunosorbent removal of total proinsulin and C-peptide molecules from serum samples (with solid-phase 1H8, 2B7 and 4H8) 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.

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