

# Product Datasheet

## C-Peptide Antibody (2B7) - BSA Free NB110-2555

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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**NB110-2555**

C-Peptide Antibody (2B7) - BSA Free

<b>Product Information</b>	
<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>	2B7
<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)
<b>Product Description</b>	
<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>	Cross-reacts with Human. Does not react with Bovine, Mouse, Rat or Pig
<b>Specificity/Sensitivity</b>	Affinity (Kd) > 1 x 10 <sup>8</sup> . Binds 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.. No cross-reactivity with human, bovine, porcine and mouse/rat insulin.
<b>Immunogen</b>	Hybridoma clone has been derived from hybridization of X63-Ag8-653 myeloma cells with spleen cells of Balb/c mice immunized with recombinant C-peptide construction.
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Radioimmunodiffusion, Radioimmunoassay
<b>Recommended Dilutions</b>	ELISA 1:100-1:2000 Validated for Competitive ELISA, Radioimmunodiffusion, Radioimmunoassay 1:100-1:2000
<b>Application Notes</b>	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. ab8297 used in conjunction with this antibody would be suitable.Specific immunosorbent (with solid-phase 2B7) 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.

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