

# Product Datasheet

## C-Peptide Antibody (CC34) - BSA Free NBP1-05433

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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### Publications: 3

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**NBP1-05433**

C-Peptide Antibody (CC34) - 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>	CC34
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4)
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse C-Peptide Antibody (CC34) - BSA Free (NBP1-05433) is a monoclonal antibody validated for use in IHC and ELISA. Anti-C-Peptide Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	3630
<b>Gene Symbol</b>	INS
<b>Species</b>	Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Specificity/Sensitivity</b>	Reacts with rat c-peptide I, rat c-peptide II, mouse c-peptide II and mouse c-peptide I. Does not react with rat proinsulin.
<b>Immunogen</b>	Hybridoma clone has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with fragments of rat C-peptides I and II conjugated with the carrier protein.
<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Immunoassay, Immunohistochemistry, Immunohistochemistry-Frozen, Sandwich ELISA
<b>Recommended Dilutions</b>	ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Frozen 1:10 - 1:500, Immunoassay, Sandwich ELISA 1:100 - 1:2000
<b>Application Notes</b>	Can be used for separate or consistent detection of rat C-peptide isoforms (rat C-peptide I and/or rat C-peptide II) in biological samples. The C-Peptide Antibody (CC34) NBP1-05433 can be use as the capture antibody with the use of detection antibody C-Peptide Antibody (CII-11) NBP1-05432 in Sandwich ELISA.



## Publications

Naoaki Sakata, Gumpei Yoshimatsu, Ryo Kawakami, Shohta Kodama Influence of relatively short-term culture on adult porcine islets for xenotransplantation Scientific Reports 2024-05-21 [PMID: 38773268]

Sakata N, Yoshimatsu G, Kawakami R et al. Optimal temperature for the long-term culture of adult porcine islets for xenotransplantation Frontiers in immunology 2023-10-13 [PMID: 37901206] (IHC, Mouse)

Cim A, Sawyer GJ, Xiaohong Z et al. In vivo studies on non-viral transdifferentiation of liver cells towards pancreatic beta cells J Endocrinol 2012-06-08 [PMID: 22685335] (IHC-Fr, Rat)





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### **Products Related to NBP1-05433**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
236-EG-200	EGF [Unconjugated]

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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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