

# Product Datasheet

## C-Peptide Antibody (CII-29) - BSA Free NBP1-05439

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

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**NBP1-05439**

C-Peptide Antibody (CII-29) - BSA Free

**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>	CII-29
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG1
<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>	Mouse, Rat
<b>Specificity/Sensitivity</b>	Reacts with rat c-peptide I, rat c-peptide II, mouse c-peptide I, mouse c-peptide II and 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.

**Product Application Details**

<b>Applications</b>	ELISA, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Sandwich ELISA
<b>Recommended Dilutions</b>	ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, 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 (CC27) NBP1-05434 can be use as the capture antibody with the use of detection antibody C-Peptide Antibody (CII-29) NBP1-05439 in Sandwich ELISA. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 28988715). Use in IP reported in scitific publication PMID: 32433667

**Publications**

Viviano J, Brecker M, Ferrara-Cook C et al. ERp29 as a regulator of Insulin biosynthesis PLoS ONE 2020-05-20 [PMID: 32433667] (IP, Mouse)

Amatya C, Radichev IA, Ellefson J et al. Self-Transducible Bimodal PDX1-FOXP3 Protein Lifts Insulin Secretion and Curbs Autoimmunity, Boosting Tregs in Type 1 Diabetic Mice. Mol. Ther. 2018-01-03 [PMID: 28988715] (ICC/IF, Rat)





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### **Products Related to NBP1-05439**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
236-EG-200	EGF [Unconjugated]

### **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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