

Product Datasheet

C-Peptide Antibody (5B8)

NB100-72989

Unit Size: 0.2 mg

Store at 4C. Do not freeze.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB100-72989

Updated 12/28/2022 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB100-72989



NB100-72989

C-Peptide Antibody (5B8)

Product Information

Unit Size	0.2 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	5B8
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, Bovine (Negative), Mouse (Negative), Porcine (Negative), Rat (Negative)
Specificity/Sensitivity	This antibody binds with equal efficiency to the human free C-peptide and C-peptide region in proinsulin molecules. Antigenic determinants identified by MAb 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.
Immunogen	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

Applications	Enzyme Immunoassay, ELISA, Radioimmunoassay, Competitive ELISA
Recommended Dilutions	ELISA 1:100-1:2000, Radioimmunoassay 1:100-1:2000, Enzyme Immunoassay, Competitive ELISA
Application Notes	Competitive ELISA or RIA detection of C-peptide in human serum after immunospecific removal of proinsulin (with solid-phased MAb 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 immunosorbitional removal of total proinsulin and C-peptide molecules from serum samples (with solid-phase 1H8, 2B7 and 4H8) before the measurement of human insulin.



Novus Biologicals USA

10730 E. Briarwood Avenue

Centennial, CO 80112

USA

Phone: 303.730.1950

Toll Free: 1.888.506.6887

Fax: 303.730.1966

novus@novusbio.com

Bio-Techne Canada

21 Canmotor Ave

Toronto, ON M8Z 4E6

Canada

Phone: 905.827.6400

Toll Free: 855.668.8722

Fax: 905.827.6402

canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane

Abingdon Science Park

Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15

Fax: (44) (0) 1235 533420

info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com

Technical Support: technical@novusbio.com

Orders: orders@novusbio.com

General: novus@novusbio.com

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-72989

Earn gift cards/discounts by submitting a publication using this product:

www.novusbio.com/publications