

Product Datasheet

Penicillin Antibody (Pen-9) [CoraFluor™ 1] NBP3-14083CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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NBP3-14083CL1

Penicillin Antibody (Pen-9) [CoraFluor™ 1]

Product Information

Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark. Do not freeze.
Clonality	Monoclonal
Clone	Pen-9
Preservative	No Preservative
Isotype	IgG1 Kappa
Conjugate	CoraFluor 1
Purity	Protein A or G purified
Buffer	PBS

Product Description

Description	CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays. CoraFluor(TM) 1, amine reactive CoraFluor(TM) 1, thiol reactive For more information, please see our CoraFluor(TM) TR-FRET technology flyer .
Host	Mouse
Species	Non-species specific
Reactivity Notes	Benzylpenicillin
Specificity/Sensitivity	This antibody reacts mainly with the thiazolidine ring of penicillin, but not with the lactam ring. May react with the fused beta lactam/thiazolidine ring of the penicilloyl group and would appear sensitive to modification of the shared N atom of the lactam/thiazolidine ring by substitution or conjugation. It appears insensitive to the structure of the side chain of the penicilloyl group. This antibody reacts with the following penicillin; Benzylpenicillin, Ampicillin, Amoxicillin and 6-Aminopenicillanic acids. Penicillin is a group of Beta-lactam antibiotics used in the treatment of bacterial infections caused by susceptible, usually Gram-positive, organisms. -lactam antibiotics work by inhibiting the formation of peptidoglycan cross-links in the bacterial cell wall, which results in cytolysis. This antibody is useful in the study of allergy to penicillin.
Immunogen	Penicilloyl-transferrin conjugate
Notes	CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254

Product Application Details

Applications	ELISA
Recommended Dilutions	ELISA
Application Notes	Optimal dilution of this antibody should be experimentally determined.



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
 nb-customerservice@bio-techne.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: nb-technical@bio-techne.com
 Orders: nb-customerservice@bio-techne.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

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