

CERTIFICATE OF ANALYSIS

MONOCLONAL ANTIBODIES

Troponin I mouse monoclonal antibody

Code no.	BM322-N4D1
Grade	Affinity Purified
Lot no.	

RECEIVER INFORMATION

Expiry Date	
Storage Temperature	2-8 °C (up to 1 month) below -15°C (long term)

Storage Notes	Avoid repeat freeze thaw cycles
Shipping Temperature	2-8°C

PRODUCT INFORMATION

Reacts with	Human Troponin I
Specificity	Specifically recognises epitope corresponding to amino acids 186-201 of cardiac muscle of human Troponin I.
Immunogen	Synthetic peptide derived from residues 186-201 of Human cardiac Troponin I.
BBI Solution's clone no.	N4D1
Application	Western Blot, ELISA and Lateral Flow. Can be used as a capture antibody with BM322-M4E5 as the detection.
Isotype	IgG1
Host	Mouse
Purification	Protein G
Presentation	Single homogenous batch supplied liquid in 2.68mM KCl, 1.47mM Potassium phosphate monobasic, 10.14mM Sodium phosphate dibasic, 136.8mM NaCl, pH 7.4 with 0.09% NaN ₃ .

HEALTH AND SAFETY

Application	For in-vitro use and research or further processing only.
Precaution	Potentially hazardous, refer to safety data sheet for general precautions. Refer to Material safety data sheet for specific information.

ANALYSIS

TESTS	SPECIFICATIONS	RESULTS
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Determination method:

Protein Concentration by Optical Density at 280nm using $E_{1\%,1\text{cm}} = 1.4$	≥ 0.5 mg/ml	mg/ml
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Purity	Defined as a major band $\geq 90\%$ on coomassie stained SDS-PAGE.
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Western blot analysis At 1:10,000 dilution	Reactivity with BBI Solution's antigen P184-4
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Fig 1. Western blot analysis of human Troponin I and reactivity with anti-Troponin I (BM322-N4D1).

Antibody dilutions = 1:20,000

- (A) Novex sharp STD LC5800
(B) Reduced TnI.(P184-4)

KDa

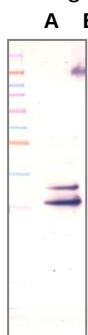
260

160

80

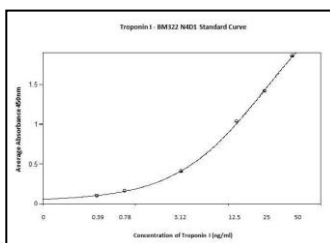
60

30



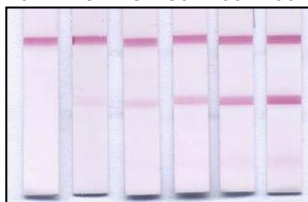
ELISA test dose response curve

Example of the consistent dose response curve over the range 0-50 ng/ml



Lateral Flow An example of data generated using BM322-N4D1 and K5F1 as capture antibodies, paired with BM322-M4E5 as the detection antibody.

Troponin I (ng/ml): 0 12.5 25 50 100 200



Name:		Position:	
Signed:		Date:	