

CERTIFICATE OF ANALYSIS

MONOCLONAL ANTIBODIES

Troponin I mouse monoclonal antibody

Code No.	BM322-M4E5
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

Specificity	Specifically recognises epitope corresponding to amino acids 166-181 of cardiac human Troponin I.
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Immunogen	Purified human cardiac Troponin I.
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Source	Ascites of balb/c mouse.
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BBI Solutions Clone No.	M4E5
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Application	Western Blot, ELISA and Lateral Flow. Recommended as Detection antibody in ELISA and Lateral Flow, using either BM322-K5F1 for BM322-N4D1 as the Capture antibodies.
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Isotype	IgG1
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Host	Mouse
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Purification	Protein G
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Presentation	Single homogenous batch, supplied liquid in a PBS buffer pH 7.4, 2.68mM KCl, 1.47mM Potassium phosphate monobasic, 136.8mM NaCl, 10.14 Sodium phosphate dibasic with 0.09% sodium azide.
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HEALTH AND SAFETY

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

TESTS	SPECIFICATIONS	RESULTS
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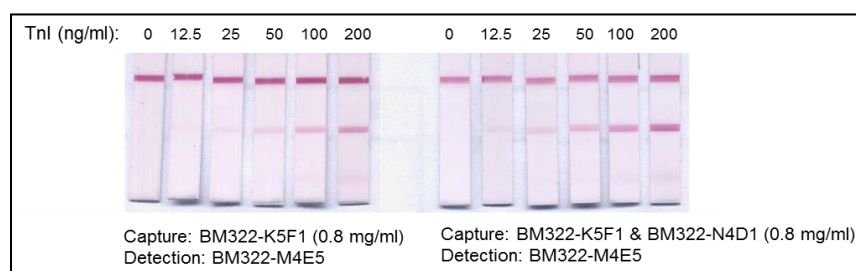
Determination Method:

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 by a major band on coomassie stained SDS-PAGE.
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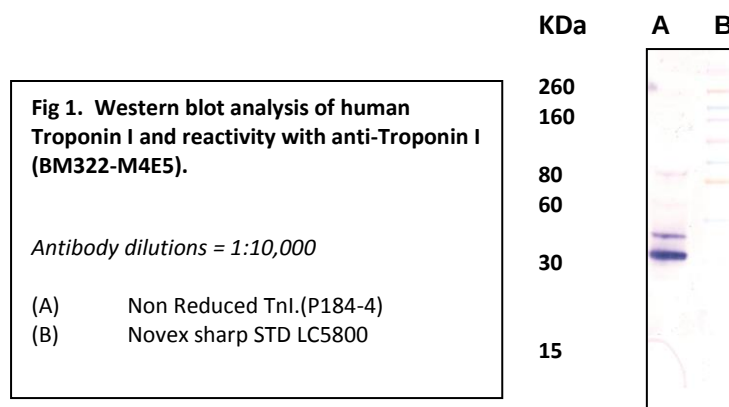
Troponin I Lateral Flow Data

An example of a previous Lot of BM322- M4E5 as the Detection antibody in Lateral Flow showing detection of Troponin I using BBI's Lateral Flow antibodies.
This test was designed to show detection of Troponin I and has not been fully optimised for sensitivity.



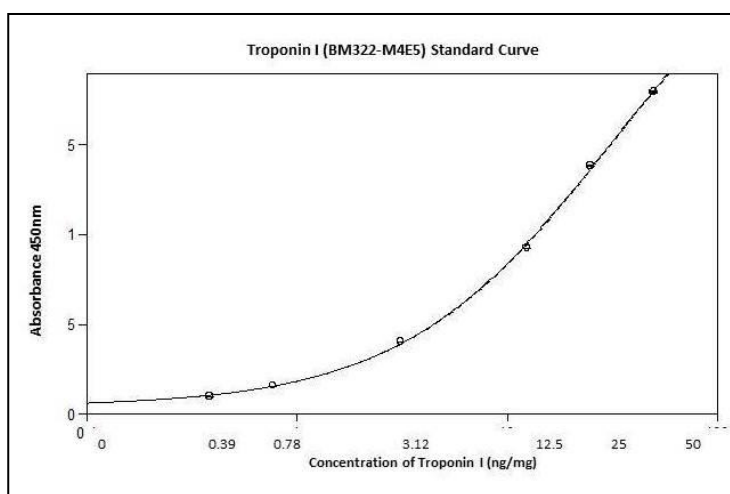
Western Blot Analysis

An example of a previous lot of BM322-M4E5 and the reactivity with BBI Solutions antigen P184-4.

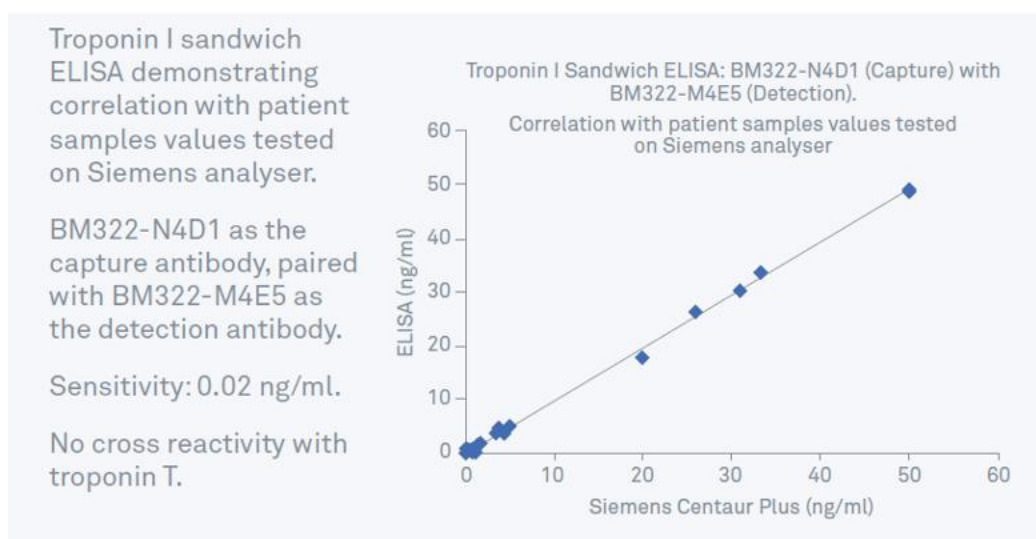


ELISA Test Dose Response Curve

Dose response curve over the range 0-50 ng/mg using a previous Lot of BM322-M4E5 as the Detection antibody and BM322-K5F1 as the Capture antibody.



Sandwich ELISA Patient Sample Data



Name:		Position:	
Signed:		Date:	