

CERTIFICATE OF ANALYSIS

MONOCLONAL ANTIBODIES

Troponin I mouse monoclonal antibody

Code no.	BM322-K5F1
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 80-95 of cardiac muscle of human Troponin I.
Immunogen	Purified human cardiac Troponin I.
Source	Ascites of balb/c mouse.
BBI Solutions clone no.	K5F1
Application	Western Blot, ELISA and Lateral Flow. Recommended as Capture antibody for ELISA and Lateral Flow, with BM322-M4E5 as the Detection antibody.
Isotype	IgG1
Host	Mouse
Purification	Protein G
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.

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

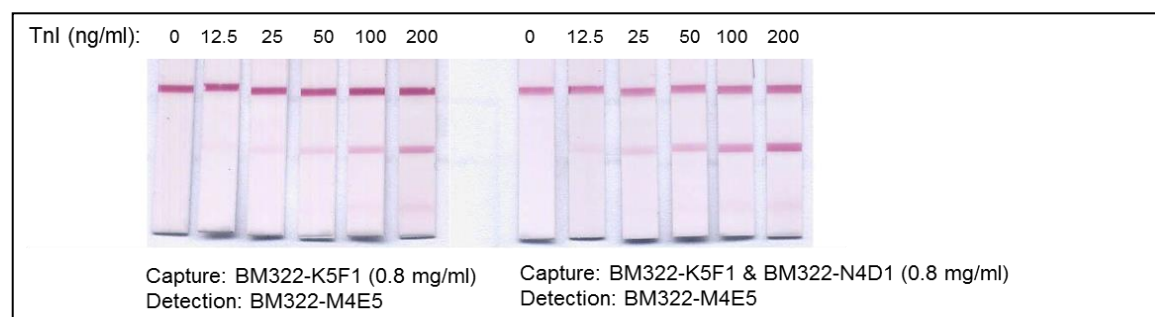
mg/ml

Purity

Defined by a major band on coomassie stained SDS-PAGE.

Troponin I Lateral Flow Data

An example of a previous Lot of BM322- K5F1 in Lateral Flow showing detection down to 12.5ng/ml Troponin I using BBI's Lateral Flow antibodies.

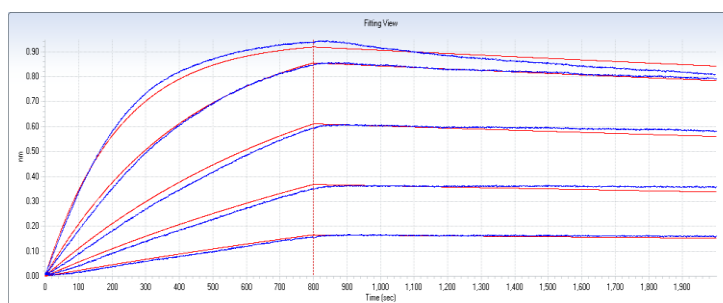


Affinity Binding determination.

An example of affinity determination of a previous Lot BM322-K5F1 to recombinant Troponin I using an Octet Binding Experiment with Streptavidin Sensors

Curve Fit:
4,2,1,0.5 & 0.25 nM K5F1 mAb

$K_D (M) = 6.51 \times 10^{-11}$



Name:		Position:	
Signed:		Date:	