



FAPON
BIOTECH

Co-Creator of Diagnostic Ecosystem



Cardiac Marker Cardiac Troponin I Raw Material

- ✓ Immunofluorescence platform correlation at 0.96 to leading international brands
 - ✓ Immunofluorescence platform sensitivity at 0.08 ng/mL
 - ✓ Colloidal gold platform positive detection rate up to 97.83%
 - ✓ Colloidal gold platform sensitivity at 0.3 ng/mL
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Clinical Significance

Cardiac troponin I (cTnI) is one of the most sensitive and specific markers of myocardial cell injury. It is an important indicator for judging myocardial cell injury in acute myocardial infarction, myocarditis and other diseases. Fapon Biotech has launched its innovative pairing materials for cTnI through accurate screening of antibody pairs. They are suitable for immunofluorescence and colloidal gold platforms, giving more accurate and sensitive performance and higher quality assurance.

Product Information

Pair No.	Catalog No	Source	Usage	Isotype	Platform		Buffer	Storage Condition	Shelf Life	Purity
					Immunofluorescence	Colloidal Gold				
Pair 1	BRNCTNIN113	CHO	Conjugate	IgG1	√	√	10mM PB+150mM NaCl+0.1% P300, pH7.4	-20°C±5°C	3 years	≥90%
	BRNCTNIN105	CHO	Coating	IgG1						
	BRNCTNIN102	CHO	Coating	IgG1						
	BRNCTNIN108	CHO	Coating/Conjugate	IgG1						
Other Antibody	BRJCTNIS108	CHO	Conjugate	IgG1						
	BRNCTNIN102	CHO	Coating	IgG1						
	BRNCTNIN103	CHO	Coating	IgG1						
	BRNCTNIN105	CHO	Coating	IgG1						
	BRNCTNIN106	CHO	Coating	IgG1						
	BRNCTNIN107	CHO	Conjugate	IgG2a						
	BRNCTNIN109	CHO	Conjugate	IgG2a						
	BRNCTNIN110	CHO	Conjugate	IgG1						
	BECCTNIS103	Goat	Coating	-						
	BRCCTNIS105	Mouse	Conjugate	IgG2b						
	BRJCTNIS106	Mouse	Conjugate	IgG1						

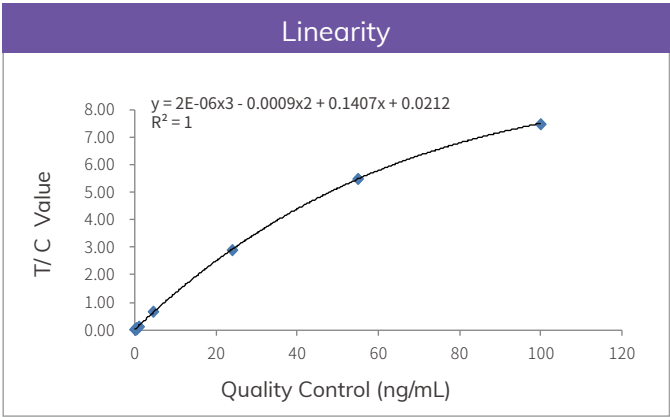
Pairing Antigen Product Information

Catalog No.	Source	Buffer	Storage Condition	Shelf Life	Purity
GRNCTNIN101	E.coli	25mM Tris-HCl+0.1%SDS+5mM EDTA,pH8.0	-20°C±5°C	3 years	≥90%

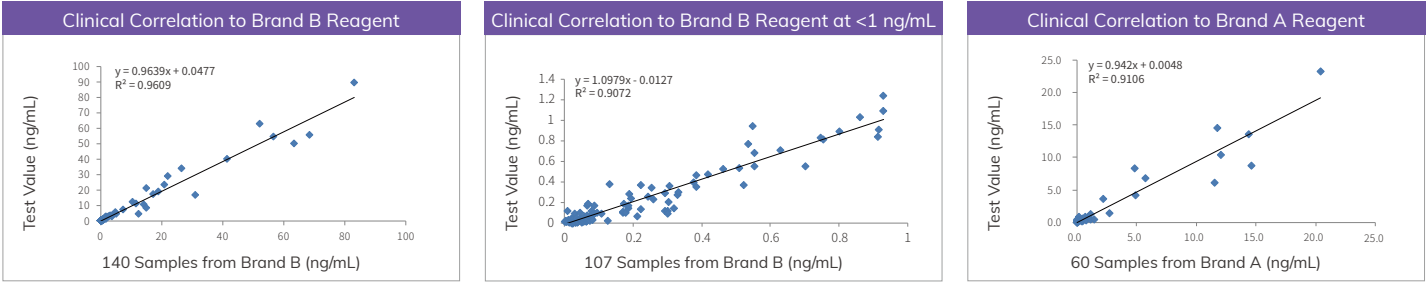
Performance

Immunofluorescence Platform

The linear range is 0.08-100ng/ml and the limit of detection is 0.08ng/ml.



High clinical correlation values were shown between Fapon Biotech cTnl to top international brand B and A.



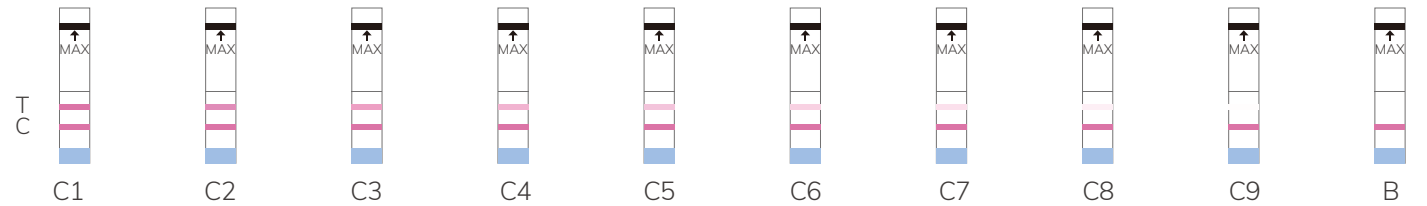
Colloidal Gold Platform

46 positive samples of fixed values from Company B (cut off=0.04 ng/ml) were tested and 45 samples were found positive by Fapon Biotech cTnl. The positive detection rate is 97.83% and the minimum detection limit is 0.3 ng/ml.

Sample No.	Fixed Value Samples of Company B (ng/ml)	Colour Intensity of Fapon Biotech cTnl
1	0.11	B+
2	0.299	C9+
3	0.441	C8
4	0.489	C7-
5	0.478	C7-
6	0.598	C6
7	0.575	C7
8	0.575	C7
9	0.54	C8
10	0.507	C7
11	0.608	C7
12	0.788	C7
13	0.772	C7
14	3.011	C5
15	3.785	C5
16	3.922	C3
17	2.67	C4
18	1.461	C5
19	1.054	C5
20	1.646	C5
21	0.919	C7
22	0.983	C6
23	13.984	C1

Sample No.	Fixed Value Samples of Company B (ng/ml)	Colour Intensity of Fapon Biotech cTnl
24	13.481	C2
25	12.332	C2-
26	9.759	C2
27	8.797	C2
28	7.428	C3
29	6.974	C3
30	5.372	C5
31	5.71	C4
32	4.753	C3-
33	25.603	C1
34	24.272	C1
35	20.854	C1-
36	19.483	C2
37	16.048	C1
38	16.219	C1
39	15.758	C1
40	15.84	C1
41	15.028	C1
42	25.414	C1
43	27.452	C1
44	28.8	C1
45	29.849	C1
46	29.277	C1

Colour Intensity: the greater the number, the lower the activity.



Specificity: 500 negative samples were detected and a specificity of 98.24% was achieved.



FAPON
BIOTECH

Enable Disease Identification Earlier,
More Accurate, Convenient and Affordable

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