

Table S1

Six kinds of commercially available anti-Annexin A3 polyclonal or monoclonal antibodies

	antibody	immunogen	company
A	rabbit MaxPab® affinity purified polyclonal anti-ANXA3	ANXA3 (AAH00871, 1 a.a. ~ 324 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa	ABNOVA
B	mouse purified polyclonal anti-ANXA3	ANXA3 (NP_005130.1, 1 a.a. ~ 323 a.a) full length human protein	ABNOVA
C	mouse monoclonal anti-ANXA3	ANXA3 (NP_005130.1, 1 a.a. ~ 323 a.a) full length human protein	ABNOVA
D	rabbit purified polyclonal anti-ANXA3	ANXA3 (AAH00871, 1 a.a. ~ 324 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa	ABNOVA
E	rabbit polyclonal anti-ANXA3	A region within synthetic peptide, corresponding to N terminal amino acids 1-50 of Human Annexin A3	ABCAM
F	mouse monoclonal anti-ANXA3	ANXA3 (AAH00871, 1 a.a. ~ 324 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa	ABGENT

Table S2

The reaction results of each capture antibody and detection antibody

capture antibody	A			D			E		
	B	C	F	B	C	F	B	C	F
r	0.9982	0.8777	0.9672	0.9579	0.7842	0.9377	0.5431	0.4633	0.6972
S5/S0	19.56	9.25	11.52	10.56	8.83	9.89	3.17	1.14	5.98

Table S3

Detection limit test of chemiluminescence immunoassay method

Annexin A3,ng/mL	Mean, ng/mL	SD	CV%
0.1	0.093	0.007	7.75
0.2	0.211	0.018	8.42
0.4	0.424	0.030	7.12
0.8	0.812	0.039	4.80
1.6	1.561	0.084	5.41

Table S4
 Inter and Intra-Assay Variability for Annexin A3

Concentration of Mixed Serum,ng/mL	Intra-Run (n=20)			Inter-Run(n=20)		
	Mean	SD	CV (%)	Mean	SD	CV (%)
Low, 0.8	0.087	0.007	8.63	0.091	0.006	6.42
High,1.6	1.445	0.086	5.92	1.526	0.079	5.15

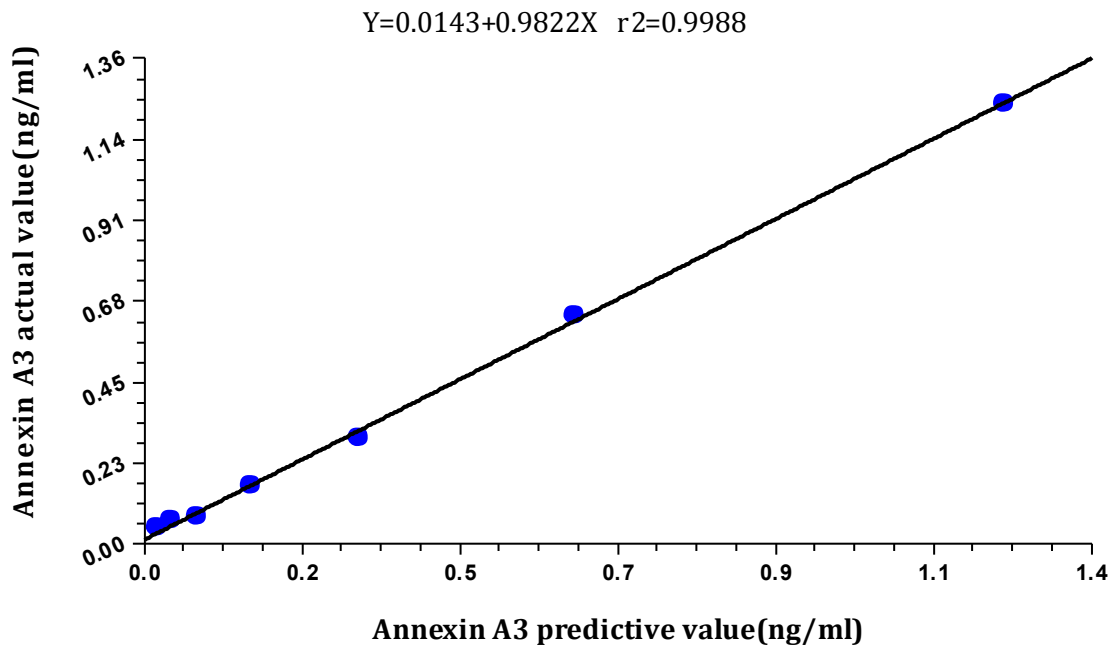


Figure S1. Linearity Range of the Present Chemiluminescence Immunoassay