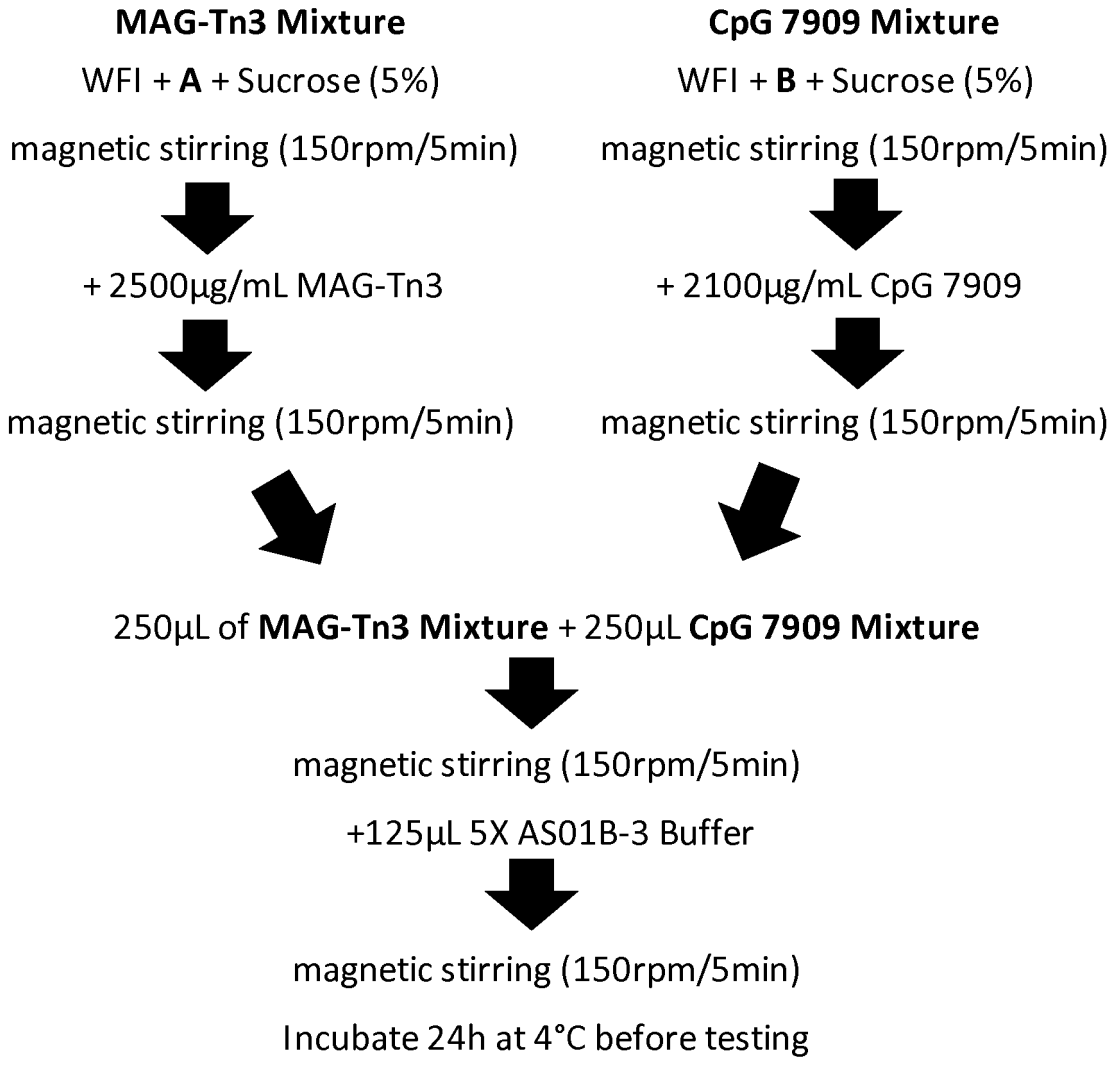

MAG-Tn3 Mixture
WFI + A + Sucrose (5%)
magnetic stirring (150rpm/5min)
+ 2500µg/mL MAG-Tn3
magnetic stirring (150rpm/5min)
CpG 7909 Mixture
WFI + B + Sucrose (5%)
magnetic stirring (150rpm/5min)
+ 2100µg/mL CpG 7909
magnetic stirring (150rpm/5min)
250µL of MAG-Tn3 Mixture + 250µL CpG 7909 Mixture
magnetic stirring (150rpm/5min)
+125µL 5X AS01B-3 Buffer
magnetic stirring (150rpm/5min)
Incubate 24h at 4°C before testing

FIG 1

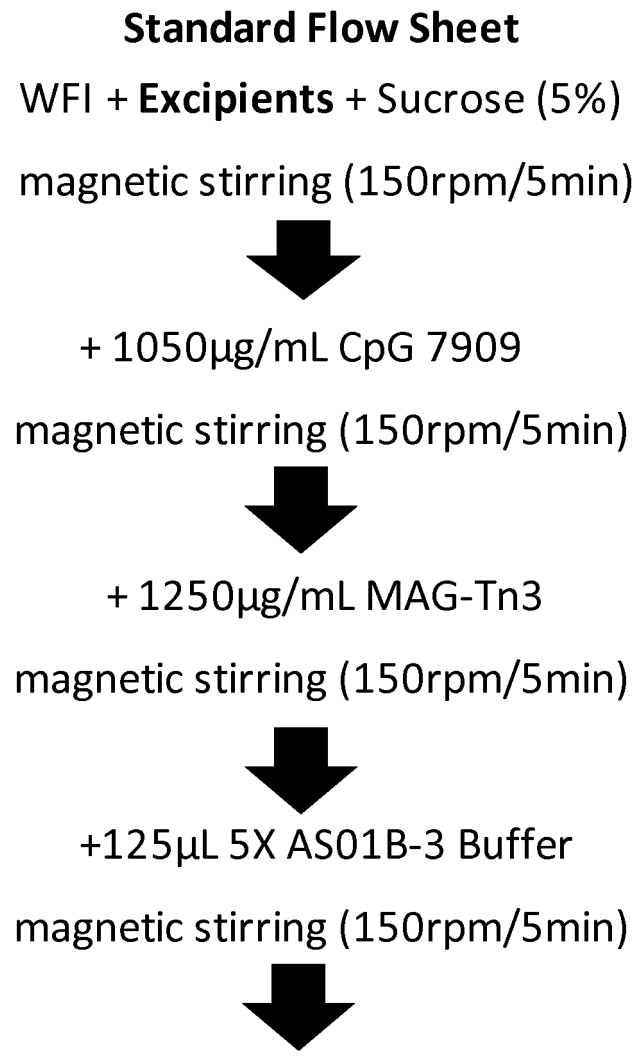
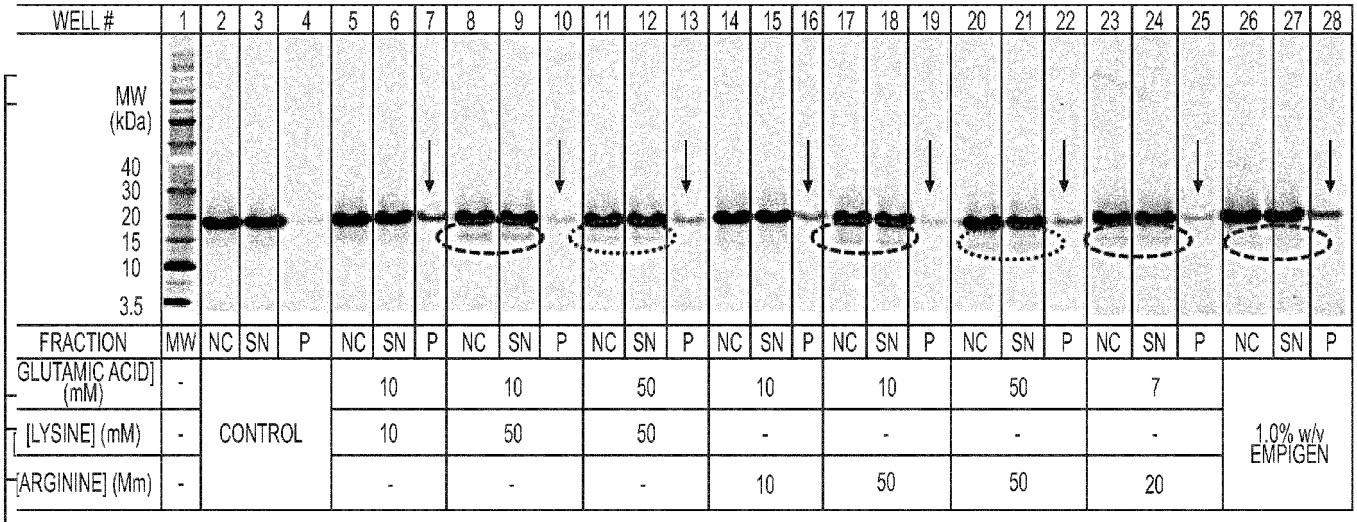

Standard Flow Sheet
WFI + Excipients + Sucrose (5%)
magnetic stirring (150rpm/5min)
+ 1050µg/mL CpG 7909
magnetic stirring (150rpm/5min)
+ 1250µg/mL MAG-Tn3
magnetic stirring (150rpm/5min)
+125µL 5X AS01B-3 Buffer
magnetic stirring (150rpm/5min)
Incubate 24h at 4°C before testing

FIG 2



WELL #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
FRACTION	MW	NC	SN	P	NC	SN	P	NC	SN	P	NC	SN	P	NC	SN	P	NC	SN	P	NC	SN	P	NC	SN	P	NC	SN	P
GLUTAMIC ACID] (mM)	-	CONTROL			10			10			50			10			10			50			7			1.0% w/v EMPIGEN		
[LYSINE] (mM)	-				10			50			50			-			-			-			-					
[ARGININE] (Mm)	-				-			-			-			10			50			50			20					

FIG. 3

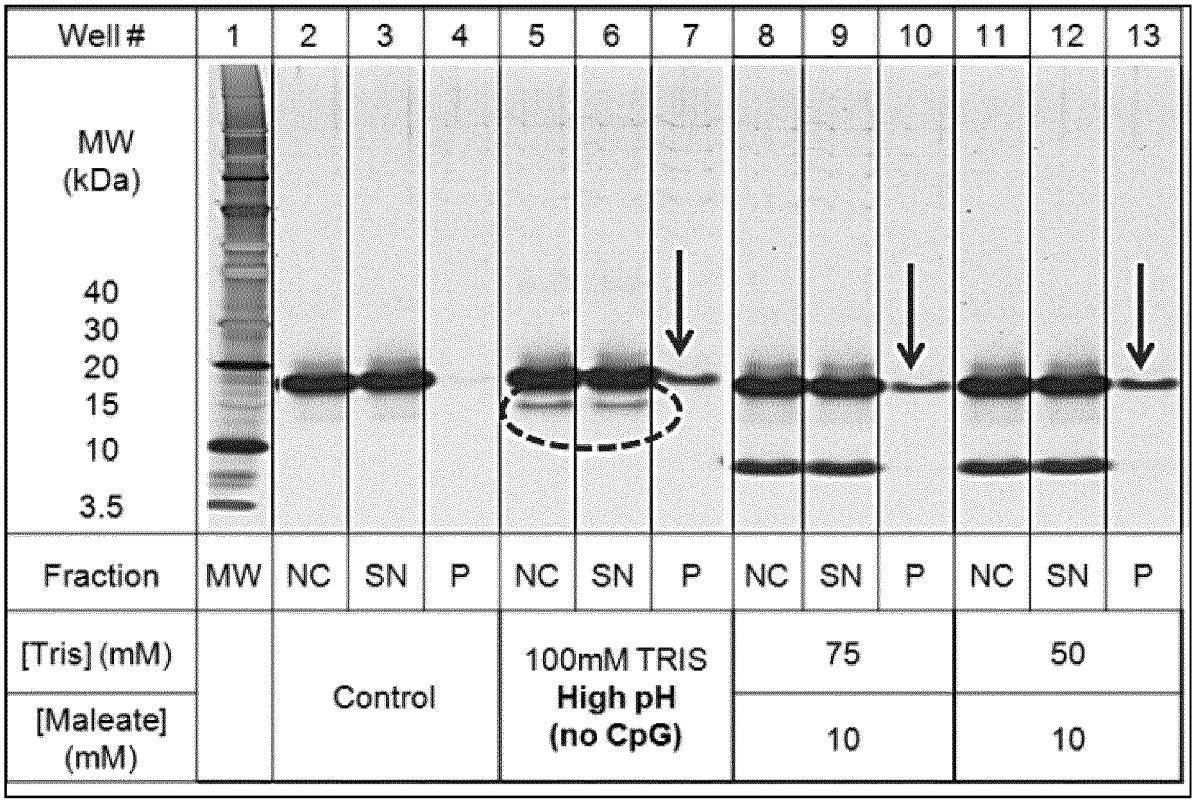

Well #
1
2
3
4
5
6
7
8
9
10
11
12
13
MW (kDa)
40
30
20
15
10
3.5
Fraction
MW
NC
SN
P
NC
SN
P
NC
SN
P
NC
SN
P
[Tris] (mM)
[Maleate] (mM)
Control
100mM TRIS
High pH
(no CpG)
75
10
50
10

FIG 4

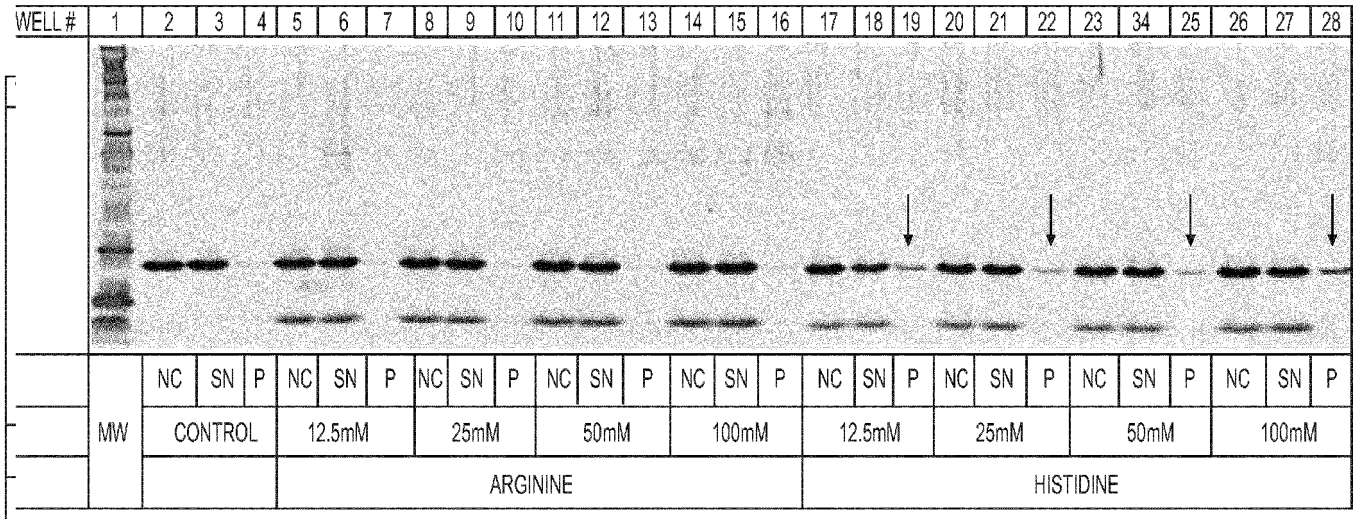

WELL #
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
34
25
26
27
28
NC
SN
P
MW
CONTROL
12.5mM
25mM
50mM
100mM
ARGININE
HISTIDINE

FIG. 5

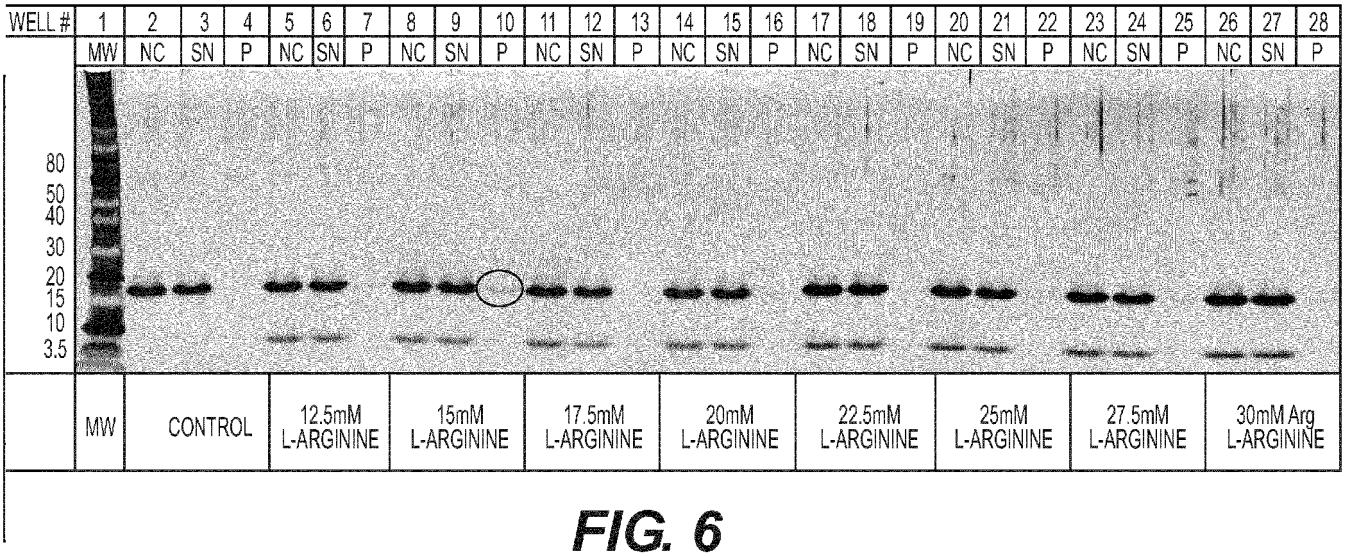

WELL #
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
MW NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P
80
50
40
30
20
15
10
3.5
MW
CONTROL
12.5mM L-ARGININE
15mM L-ARGININE
17.5mM L-ARGININE
20mM L-ARGININE
22.5mM L-ARGININE
25mM L-ARGININE
27.5mM L-ARGININE
30mM Arg L-ARGININE

FIG. 6

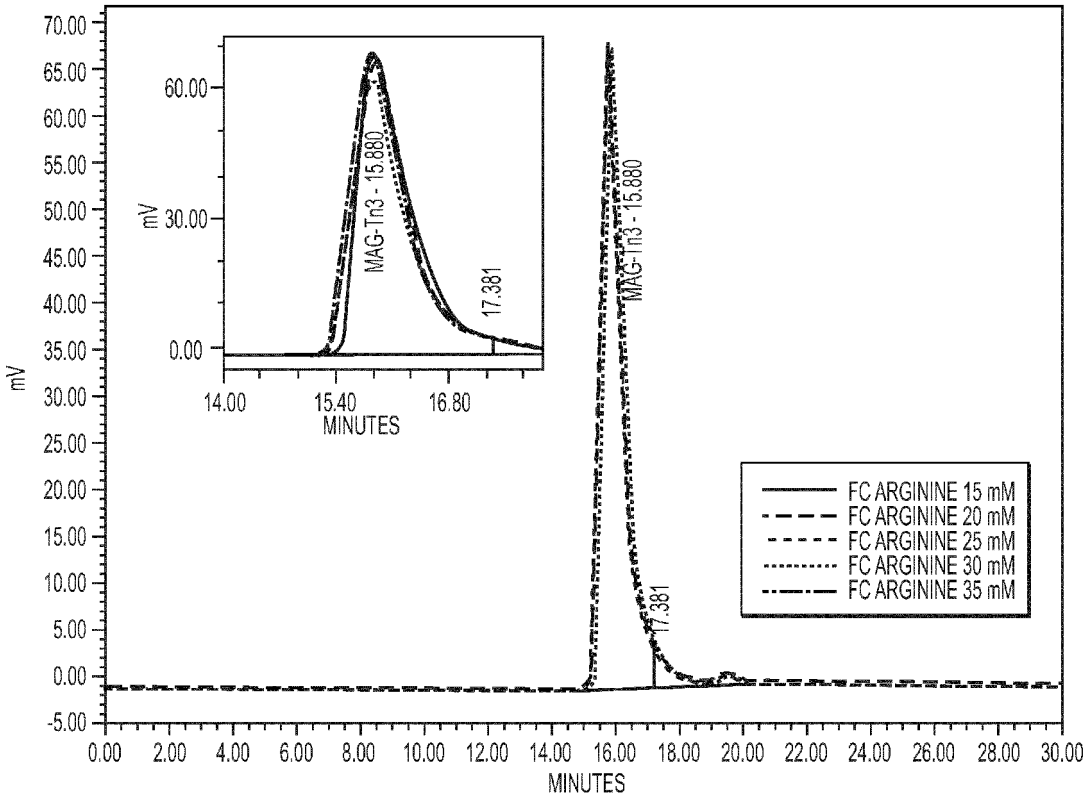

mV
MINUTES
MAG-Tri3 - 15.880
17.381
FC ARGININE 15 mM
FC ARGININE 20 mM
FC ARGININE 25 mM
FC ARGININE 30 mM
FC ARGININE 35 mM

FIG. 7

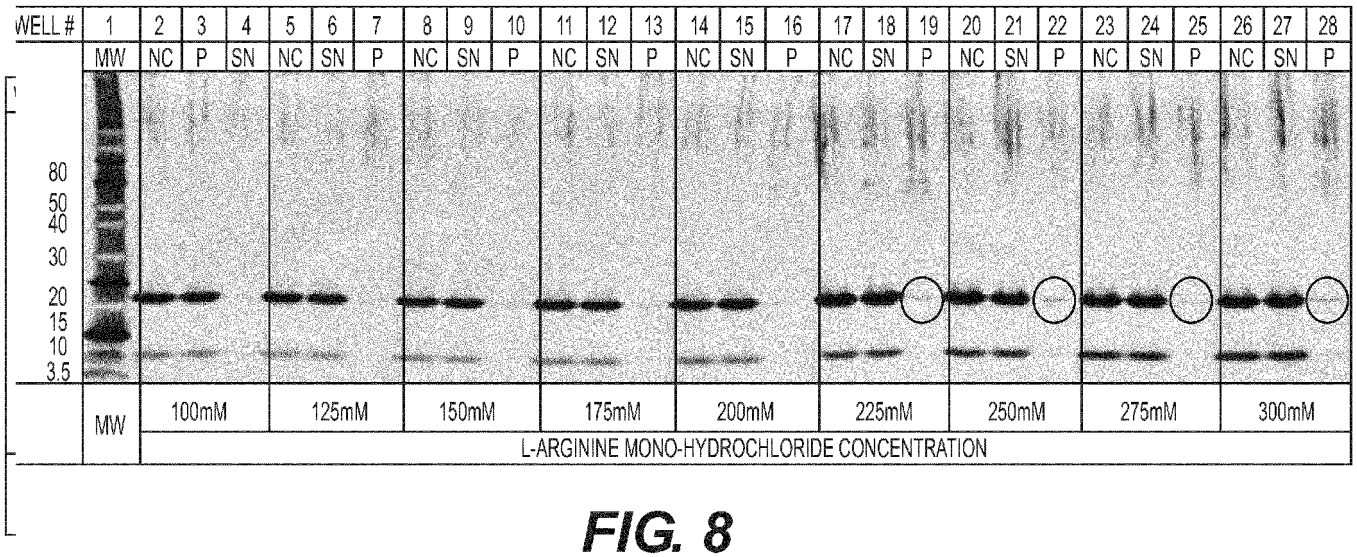

WELL #
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
MW NC P SN NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P
80
50
40
30
20
15
10
3.5
MW
100mM
125mM
150mM
175mM
200mM
225mM
250mM
275mM
300mM
L-ARGININE MONO-HYDROCHLORIDE CONCENTRATION

FIG. 8

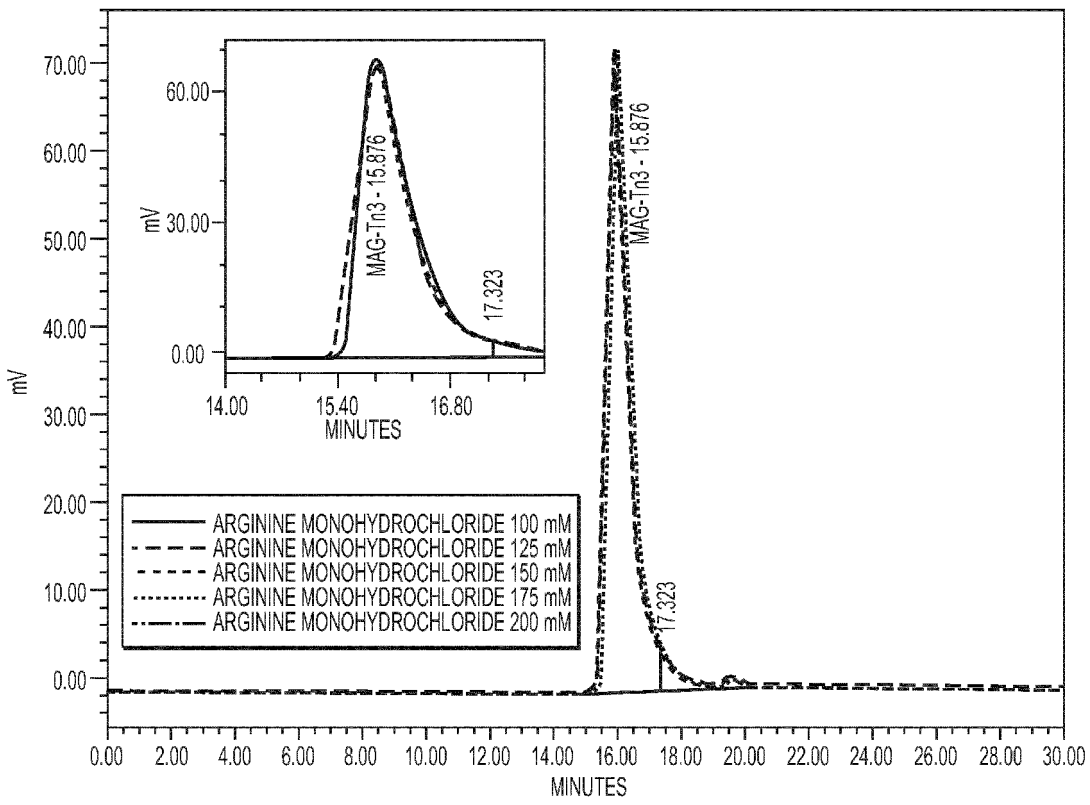

70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
mV
0.00 2.00 4.00 6.00 8.00 10.00 12.00 14.00 16.00 18.00 20.00 22.00 24.00 26.00 28.00 30.00
MINUTES
MAG-Tn3 - 15.876
17.323
ARGININE MONOHYDROCHLORIDE 100 mM
ARGININE MONOHYDROCHLORIDE 125 mM
ARGININE MONOHYDROCHLORIDE 150 mM
ARGININE MONOHYDROCHLORIDE 175 mM
ARGININE MONOHYDROCHLORIDE 200 mM
60.00
30.00
0.00
mV
14.00 15.40 16.80
MINUTES
MAG-Tn3 - 15.876
17.323

FIG. 9

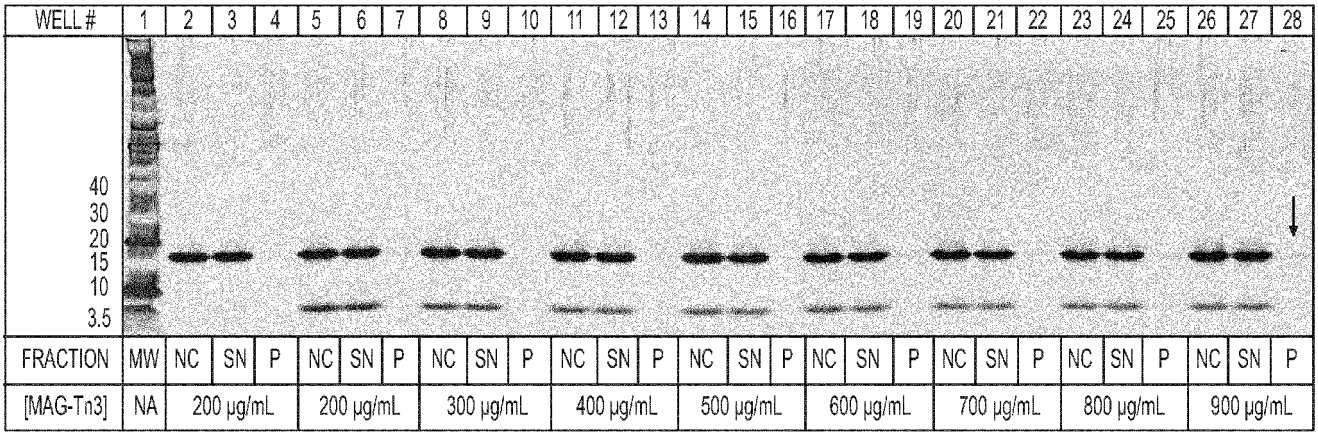

WELL #
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
40
30
20
15
10
3.5
FRACTION
MW NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P NC SN P
[MAG-Tn3]
NA 200 µg/mL 200 µg/mL 300 µg/mL 400 µg/mL 500 µg/mL 600 µg/mL 700 µg/mL 800 µg/mL 900 µg/mL

FIG. 10

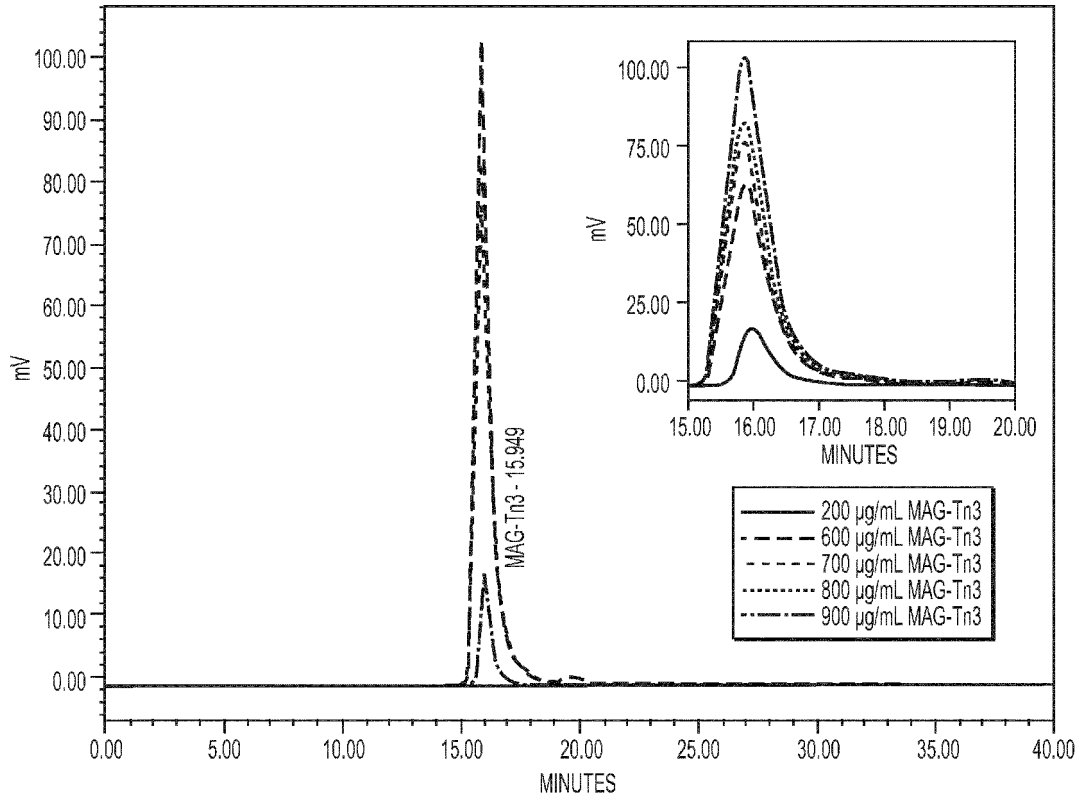

mV
MINUTES
MAG-Tn3 - 15.949
200 µg/mL MAG-Tn3
600 µg/mL MAG-Tn3
700 µg/mL MAG-Tn3
800 µg/mL MAG-Tn3
900 µg/mL MAG-Tn3

FIG. 11

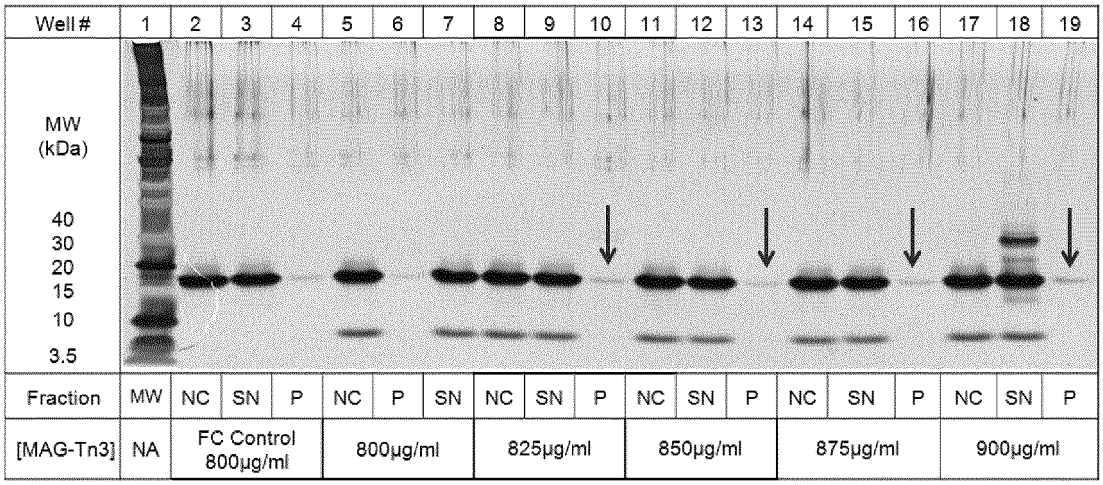

Well #
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
MW (kDa)
40
30
20
15
10
3.5
Fraction
MW
NC
SN
P
[MAG-Tn3]
NA
FC Control 800µg/ml
800µg/ml
825µg/ml
850µg/ml
875µg/ml
900µg/ml

FIG 12

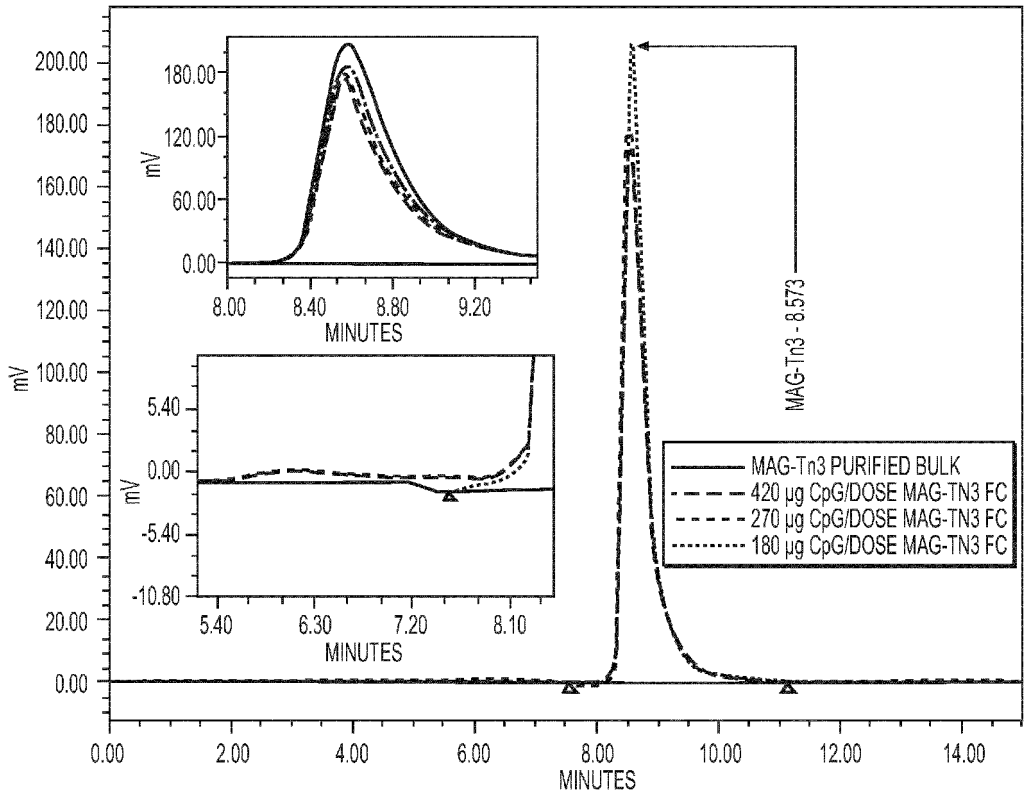

mV
MINUTES
MAG-Tn3 - 8.573
MAG-Tn3 PURIFIED BULK
420 µg CpG/DOSE MAG-TN3 FC
270 µg CpG/DOSE MAG-TN3 FC
180 µg CpG/DOSE MAG-TN3 FC

FIG. 13

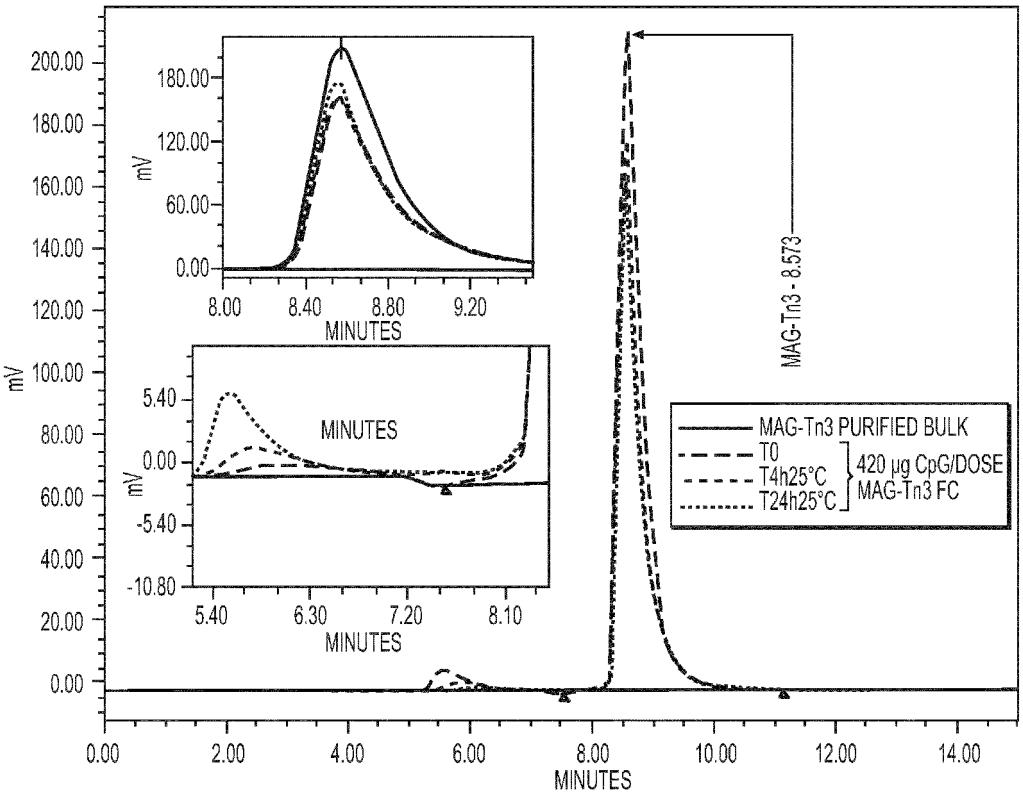

mV
MINUTES
MAG-Tn3 - 8.573
MAG-Tn3 PURIFIED BULK
T0
T4h25°C
T24h25°C
420 µg CpG/DOSE MAG-Tn3 FC

FIG. 14

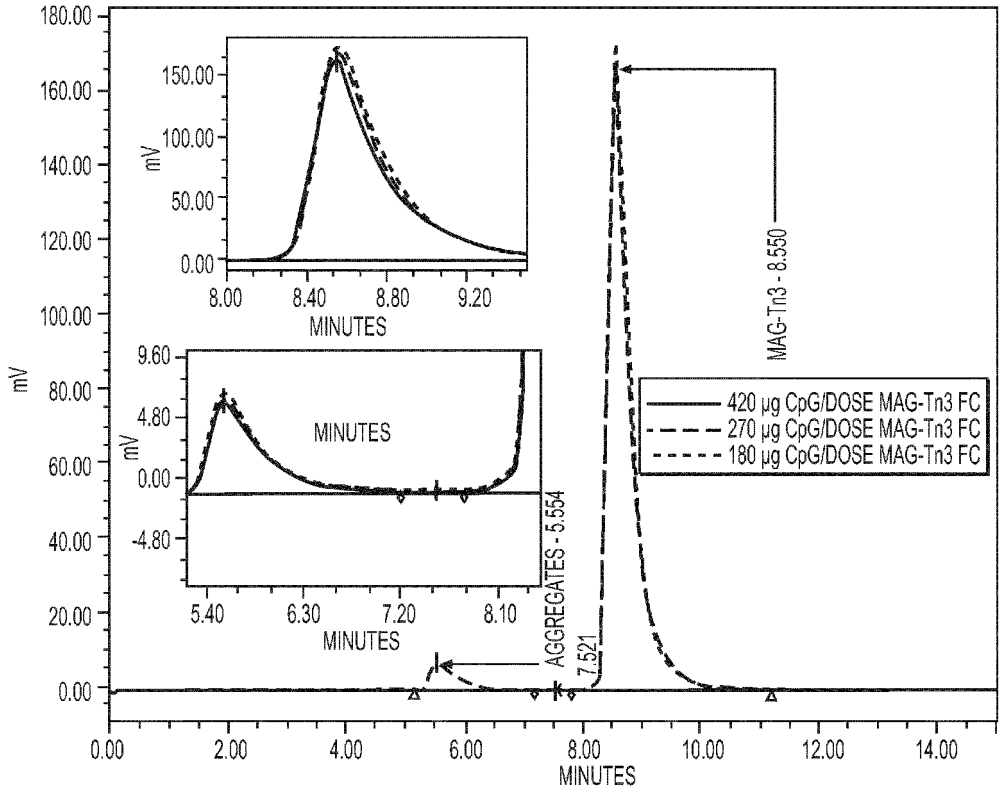

mV
MINUTES
MAG-Tn3 - 8.550
AGGREGATES - 5.554
7.521
420 µg CpG/DOSE MAG-Tn3 FC
270 µg CpG/DOSE MAG-Tn3 FC
180 µg CpG/DOSE MAG-Tn3 FC

FIG. 15