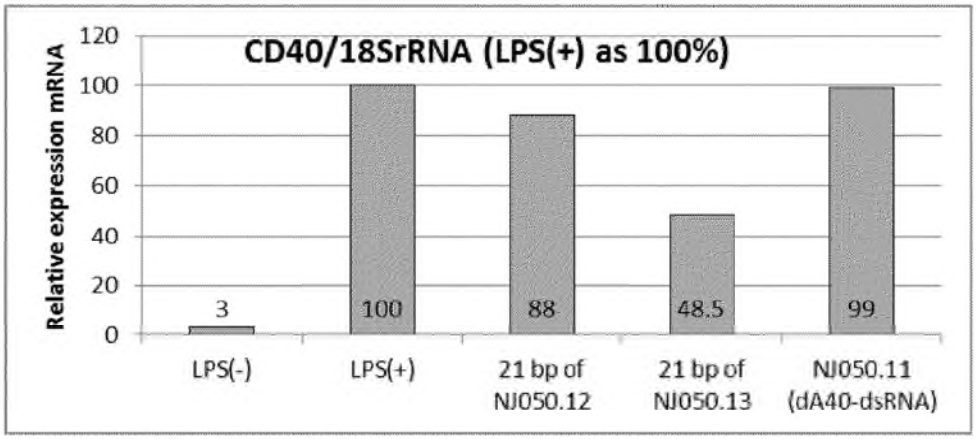
FIG. 1


CD40/18SrRNA (LPS(+) as 100%)
Relative expression mRNA
120
100
80
60
40
20
0
3
100
88
48.5
99
LPS(-)
LPS(+)
21 bp of NJ050.12
21 bp of NJ050.13
NJ050.11 (dA40-dsRNA)

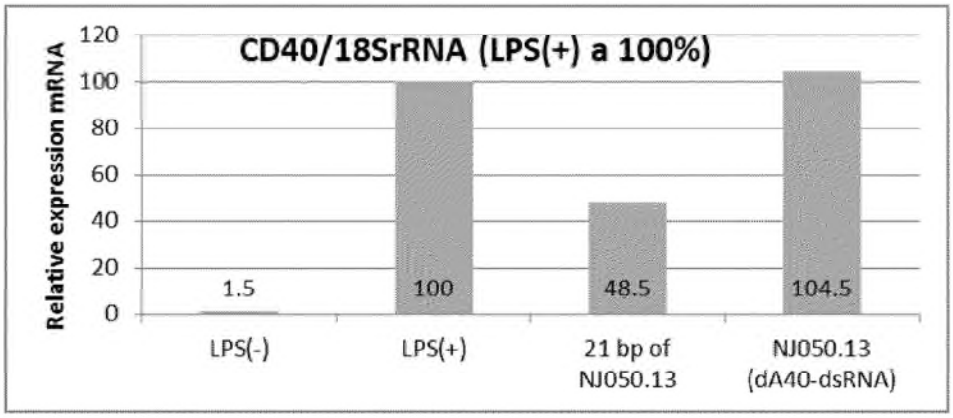
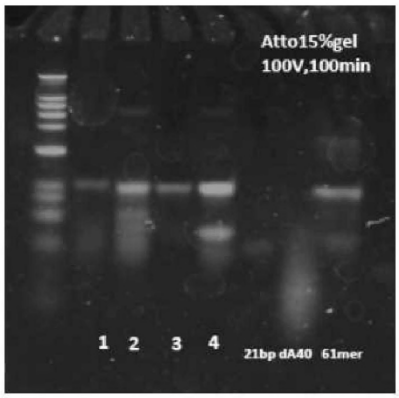

CD40/18SrRNA (LPS(+) a 100%)
Relative expression mRNA
120
100
80
60
40
20
0
1.5
100
48.5
104.5
LPS(-)
LPS(+)
21 bp of NJ050.13
NJ050.13 (dA40-dsRNA)

FIG. 2

(A)

	NJ003.2
1	Naked
2	Naked in FBS
	NJ050.13
3	Naked
4	Naked in FBS



(B)

	NJ003.2
1	Naked
2	Complex
3	Complex in FBS
	NJ050.13
4	Naked
5	Complex
6	Complex in FBS

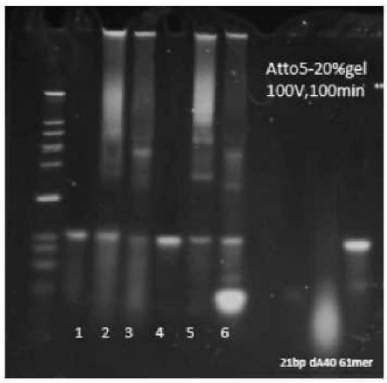


FIG. 3

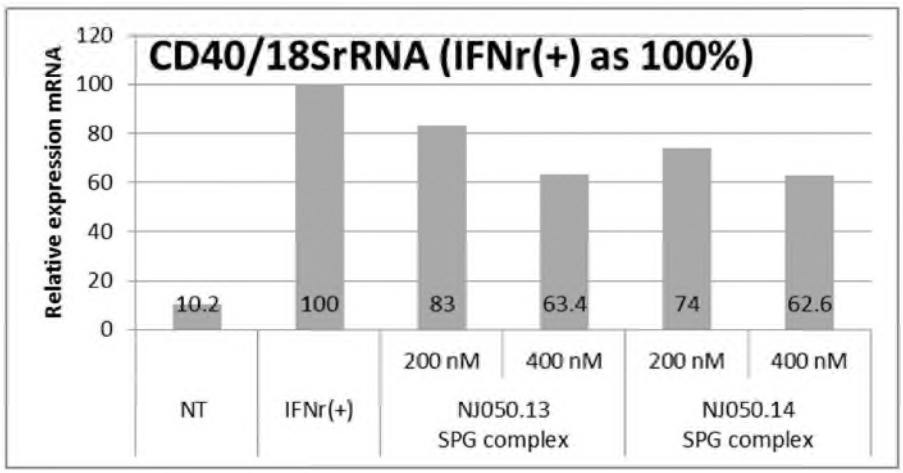
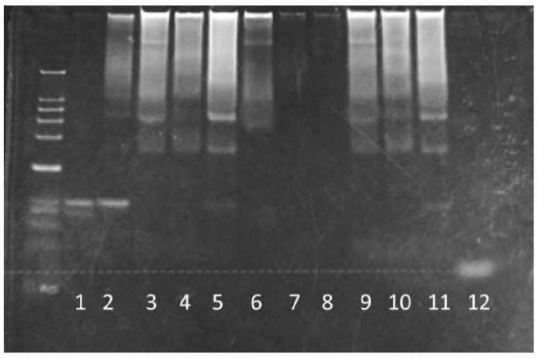


FIG. 4



1.Naked 20ng
2.Complex 200ng

<1min>
3. NJ050.14 complex 200ng in mouse Serum 400ng
4. NJ050.14 complex 200ng in human serum 400ng
5. NJ050.14 complex 200ng in fetal bovine serum 400ng

6. Mouse serum
7. Human serum
8. Fetal bovine serum

<30min>
9. NJ050.14 complex 200ng in mouse Serum 400ng
10. NJ050.14 complex 200ng in human serum 400ng
11. NJ050.14 complex 200ng in fetal bovine serum 400ng

12. 21mer

FIG. 5

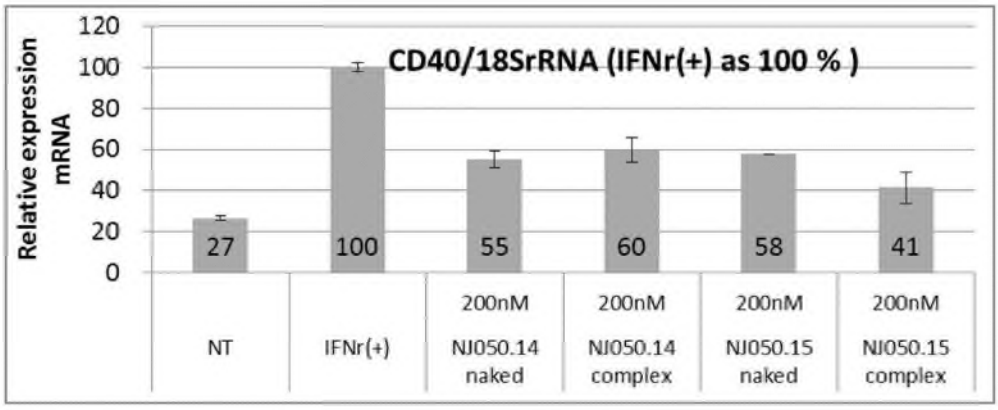
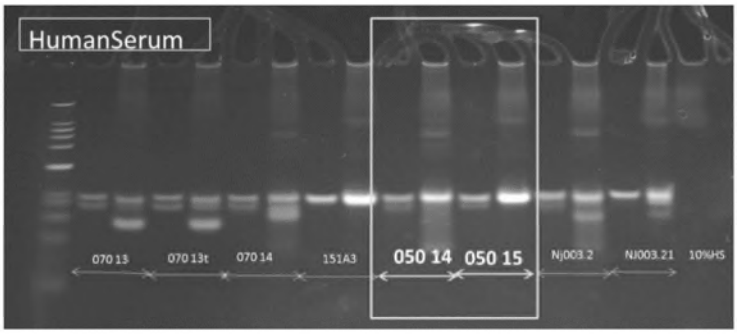
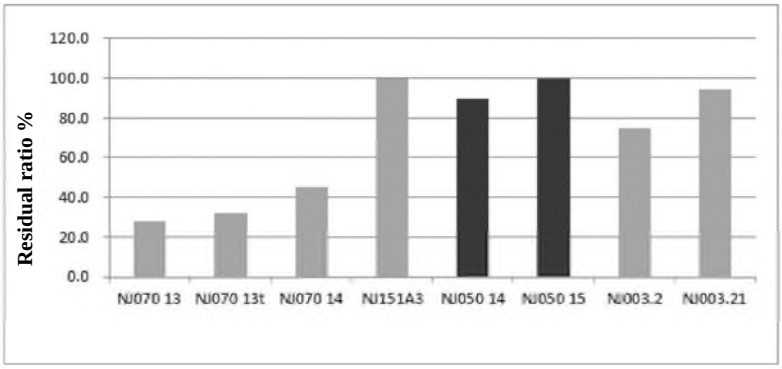


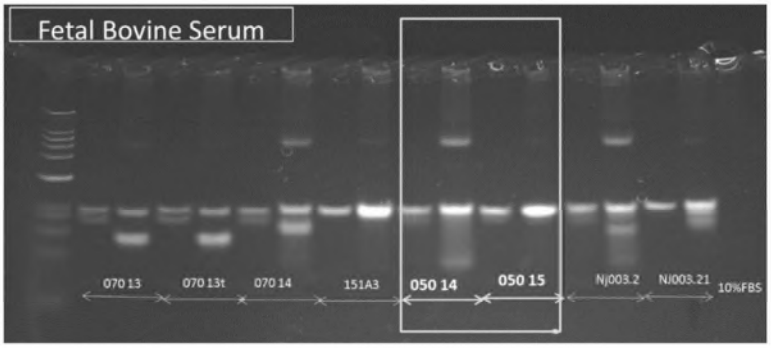
FIG. 6

(A)


HumanSerum
070 13
070 13t
070 14
151A3
050 14
050 15
Nj003.2
NJ003.21
10%HS


Residual ratio %
120.0
100.0
80.0
60.0
40.0
20.0
0.0
NJ070 13
NJ070 13t
NJ070 14
NJ151A3
NJ050 14
NJ050 15
NJ003.2
NJ003.21

(B)


Fetal Bovine Serum
070 13
070 13t
070 14
151A3
050 14
050 15
Nj003.2
NJ003.21
10%FBS

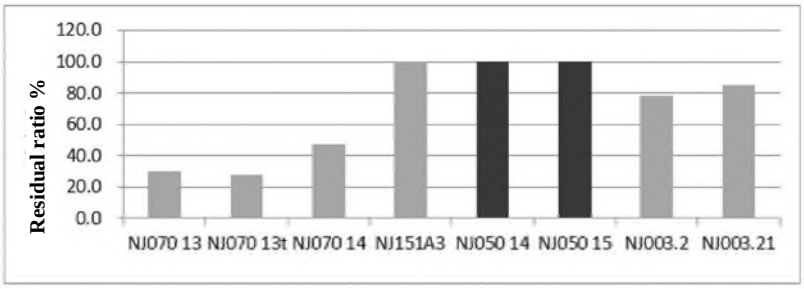

Residual ratio %
120.0
100.0
80.0
60.0
40.0
20.0
0.0
NJ070 13
NJ070 13t
NJ070 14
NJ151A3
NJ050 14
NJ050 15
NJ003.2
NJ003.21

FIG. 7

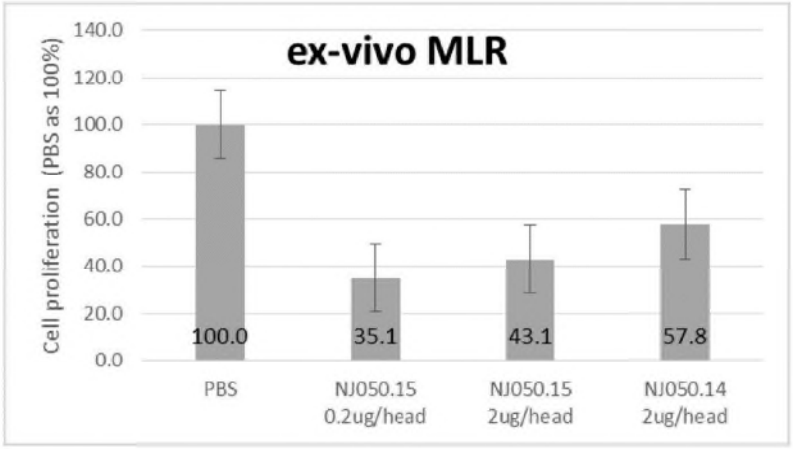
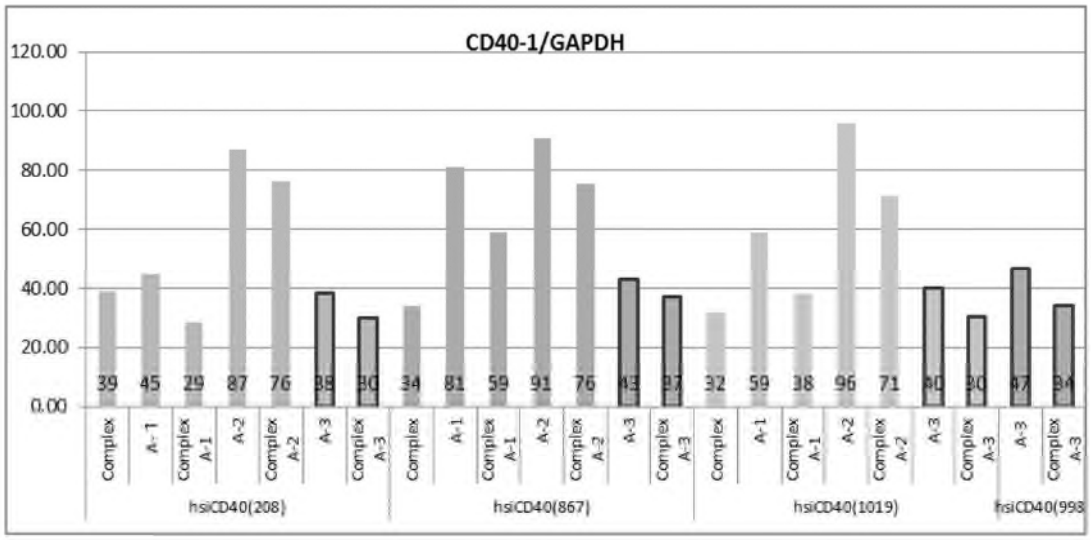

ex-vivo MLR
Cell proliferation (PBS as 100%)
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
100.0
35.1
43.1
57.8
PBS
NJ050.15 0.2ug/head
NJ050.15 2ug/head
NJ050.14 2ug/head

FIG. 8


CD40-1/GAPDH
120.00
100.00
80.00
60.00
40.00
20.00
0.00
39 45 29 87 76 38 30 34 81 59 91 76 43 37 32 59 38 96 71 40 30 47 34
Complex
A-1
Complex A-1
A-2
Complex A-2
A-3
Complex A-3
hsiCD40(208)
hsiCD40(867)
hsiCD40(1019)
hsiCD40(998