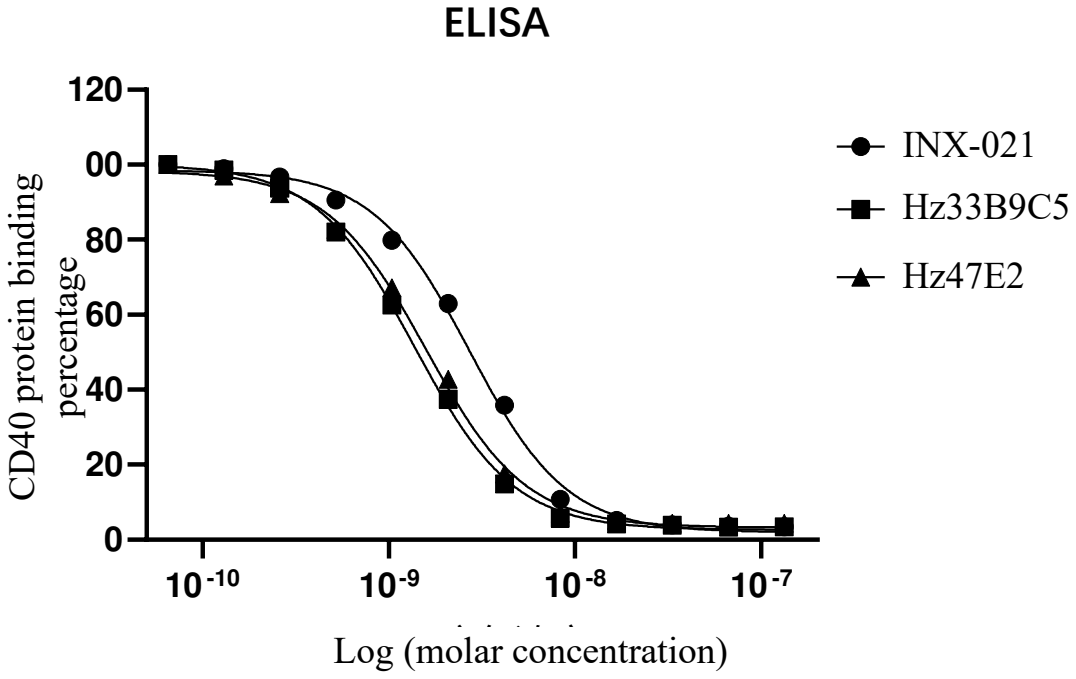
ELISA
120
00
80
60
40
20
0
CD40 protein binding percentage
10-10
10-9
10-8
10-7
Log (molar concentration)
INX-021
Hz33B9C5
Hz47E2

FIG. 1

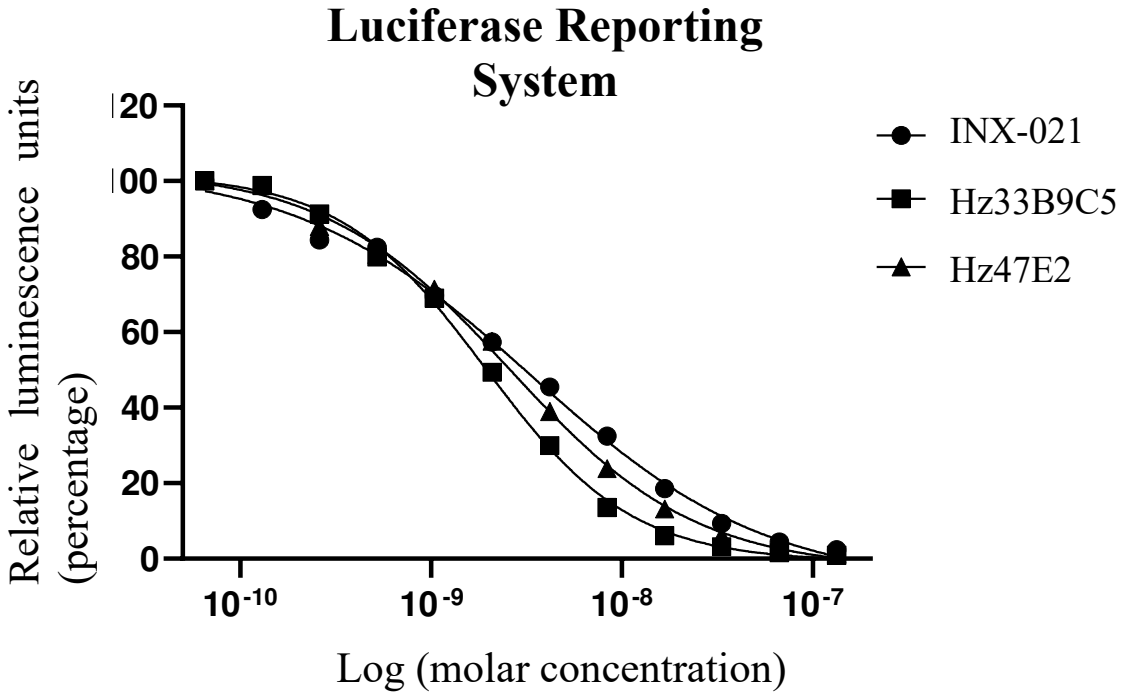
Luciferase Reporting System
20
00
80
60
40
20
0
Relative luminescence units (percentage)
10-10
10-9
10-8
10-7
Log (molar concentration)
INX-021
Hz33B9C5
Hz47E2

FIG. 2

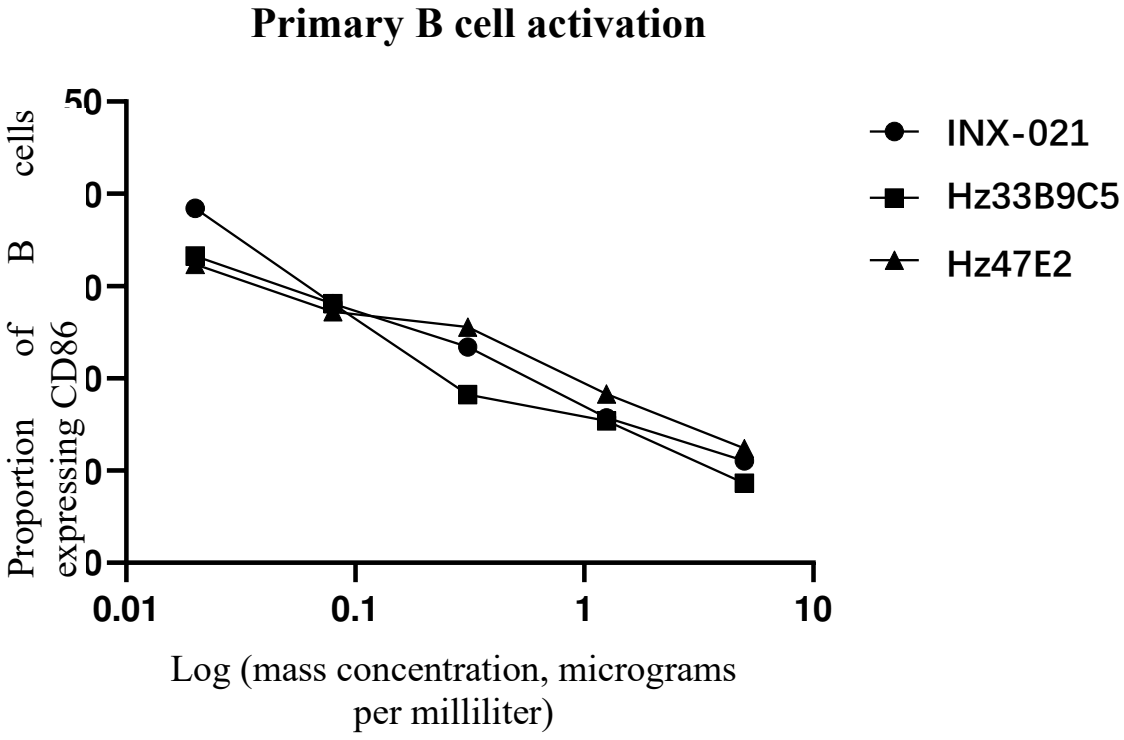
Primary B cell activation
Proportion of B cells expressing CD86
50
0
0
0
0
0.01
0.1
1
10
Log (mass concentration, micrograms per milliliter)
INX-021
Hz33B9C5
Hz47E2

FIG. 3

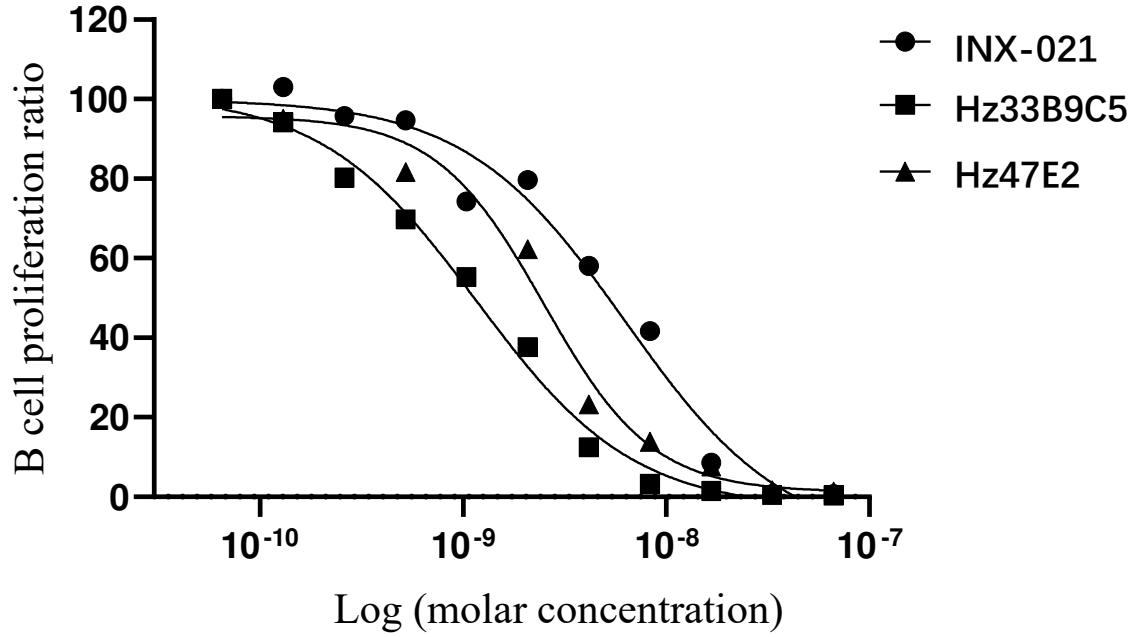
B cell proliferation ratio
120
100
80
60
40
20
0
10-10
10-9
10-8
10-7
Log (molar concentration)
INX-021
Hz33B9C5
Hz47E2

FIG. 4

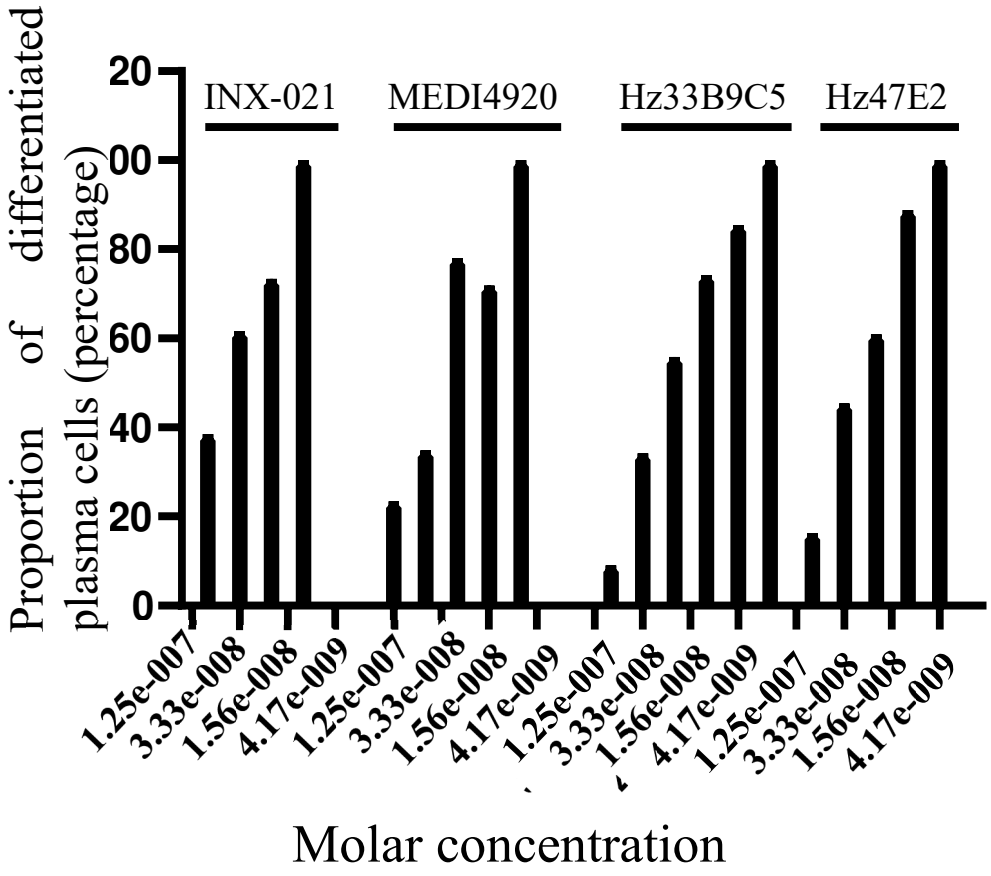
Proportion of differentiated plasma cells (percentage)
20
00
80
60
40
20
0
INX-021
MEDI4920
Hz33B9C5
Hz47E2
1.25e-007
3.33e-008
1.56e-008
4.17e-009
1.25e-007
3.33e-008
1.56e-008
4.17e-009
1.25e-007
3.33e-008
1.56e-008
4.17e-009
1.25e-007
3.33e-008
1.56e-008
4.17e-009
Molar concentration

FIG. 5

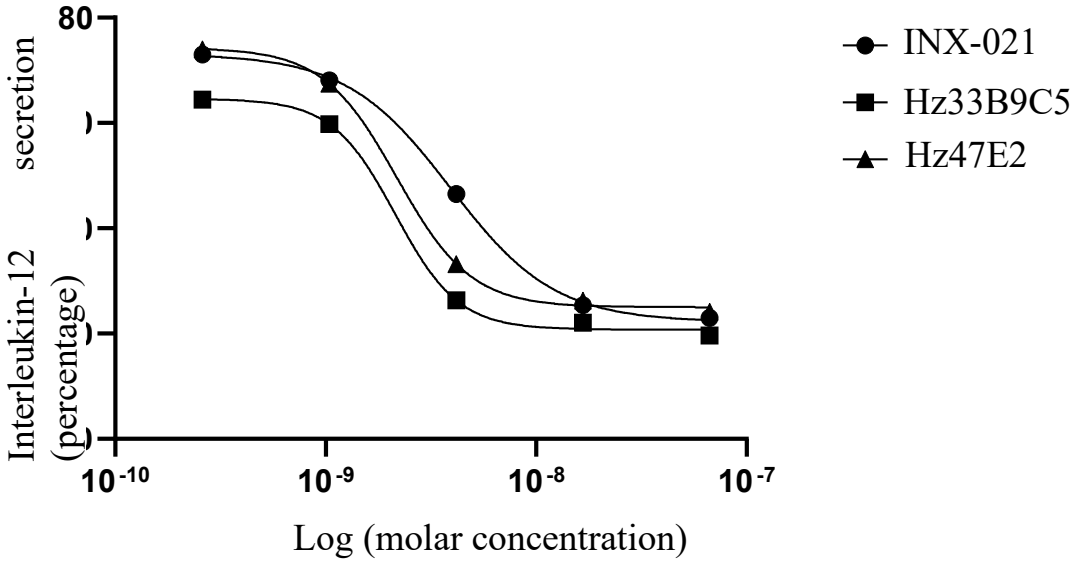
80
secretion
Interleukin-12
(percentage)
10-10
10-9
10-8
10-7
Log (molar concentration)
INX-021
Hz33B9C5
Hz47E2

FIG. 6

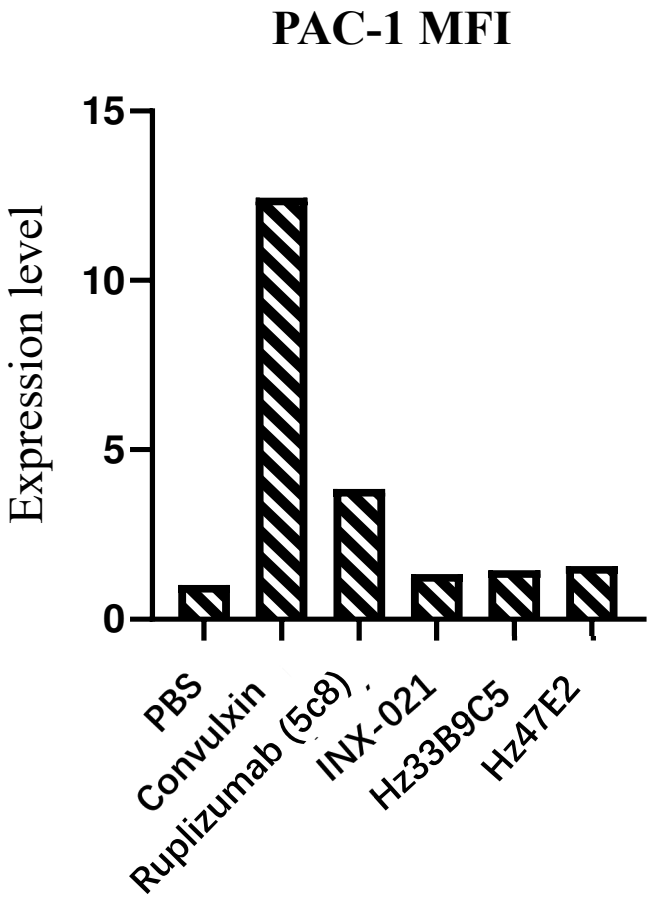
PAC-1 MFI
Expression level
15
10
5
0
PBS
Convulxin
Ruplizumab (5c8)
INX-021
Hz33B9C5
Hz47E2

FIG. 7

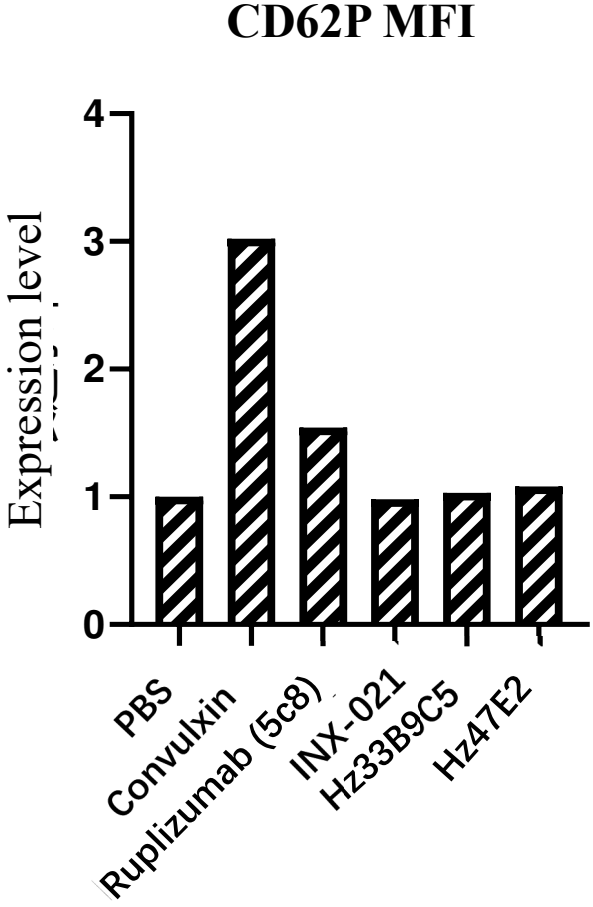
CD62P MFI
Expression level
4
3
2
1
0
PBS
Convulxin
Ruplizumab (5c8)
INX-021
Hz33B9C5
Hz47E2

FIG. 8

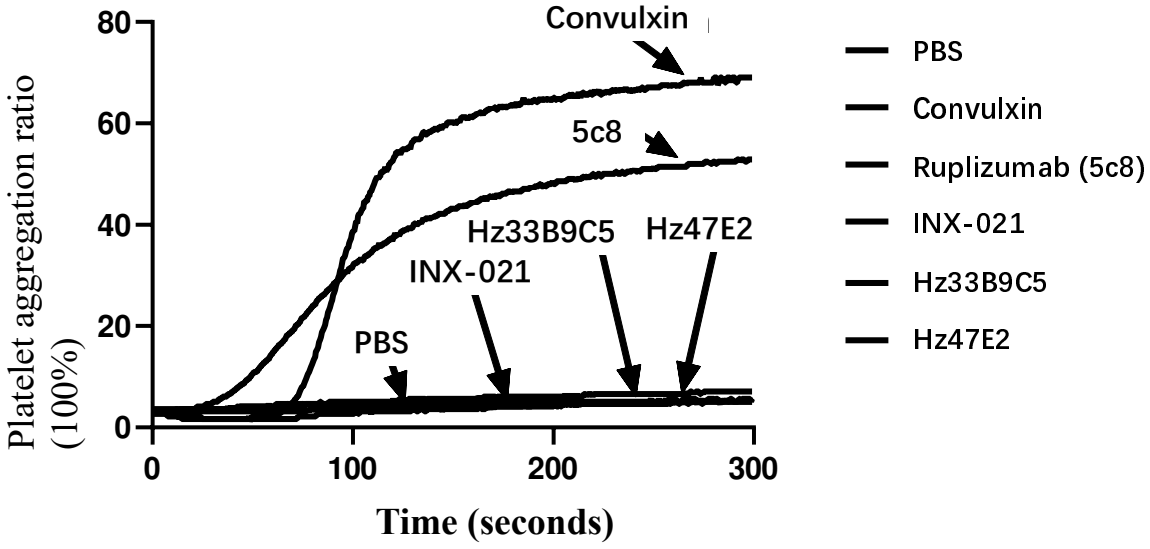
Platelet aggregation ratio (100%)
80
60
40
20
0
0
100
200
300
Time (seconds)
Convulxin
5c8
Hz33B9C5
Hz47E2
INX-021
PBS
PBS
Convulxin
Ruplizumab (5c8)
INX-021
Hz33B9C5
Hz47E2

FIG. 9

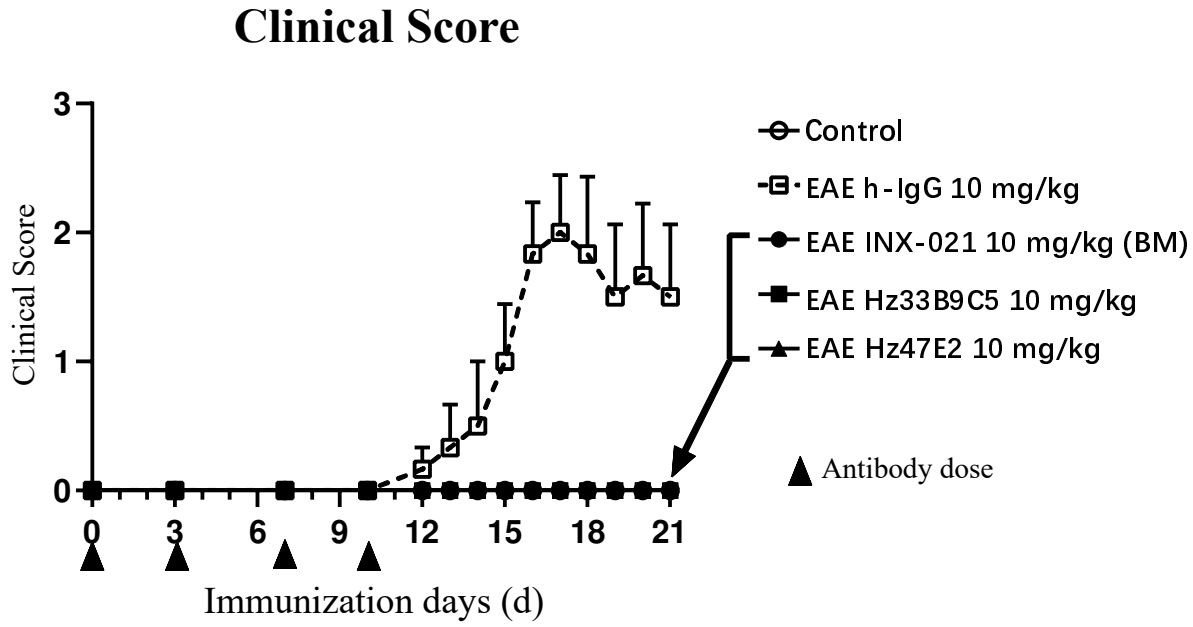
Clinical Score
Clinical Score
3
2
1
0
0
3
6
9
12
15
18
21
Immunization days (d)
Control
EAE h-IgG 10 mg/kg
EAE INX-021 10 mg/kg (BM)
EAE Hz33B9C5 10 mg/kg
EAE Hz47E2 10 mg/kg
Antibody dose

FIG. 10

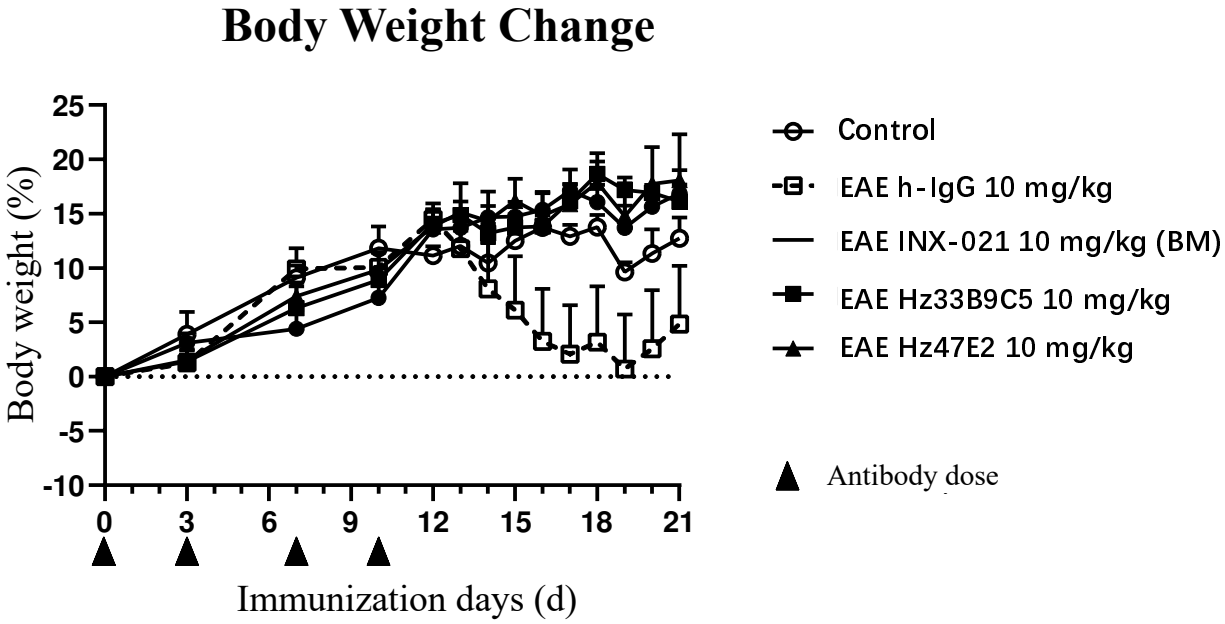
Body Weight Change
Body weight (%)
25
20
15
10
5
0
-5
-10
0
3
6
9
12
15
18
21
Immunization days (d)
Control
EAE h-IgG 10 mg/kg
EAE INX-021 10 mg/kg (BM)
EAE Hz33B9C5 10 mg/kg
EAE Hz47E2 10 mg/kg
Antibody dose

FIG. 11

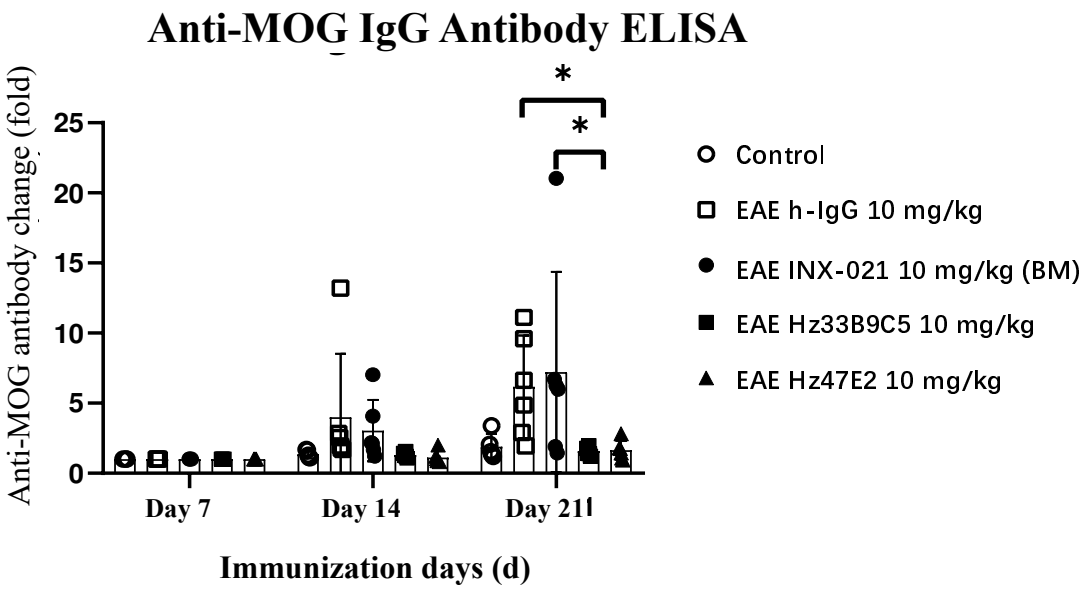
Anti-MOG IgG Antibody ELISA
Anti-MOG antibody change (fold)
25
20
15
10
5
0
*
*
Day 7
Day 14
Day 21
Immunization days (d)
Control
EAE h-IgG 10 mg/kg
EAE INX-021 10 mg/kg (BM)
EAE Hz33B9C5 10 mg/kg
EAE Hz47E2 10 mg/kg

FIG. 12

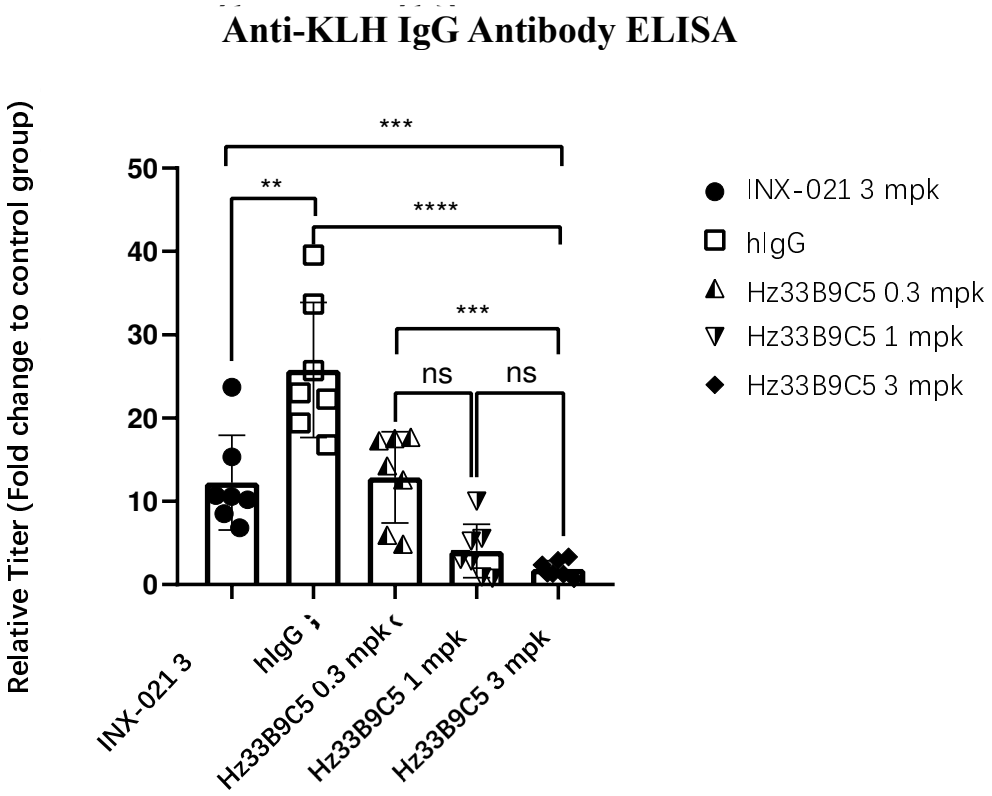
Anti-KLH IgG Antibody ELISA
Relative Titer (Fold change to control group)
50
40
30
20
10
0
***
**
****
***
ns
ns
INX-021 3 mpk
hIgG
Hz33B9C5 0.3 mpk
Hz33B9C5 1 mpk
Hz33B9C5 3 mpk
INX-021 3
hIgG
Hz33B9C5 0.3 mpk
Hz33B9C5 1 mpk
Hz33B9C5 3 mpk

FIG. 13

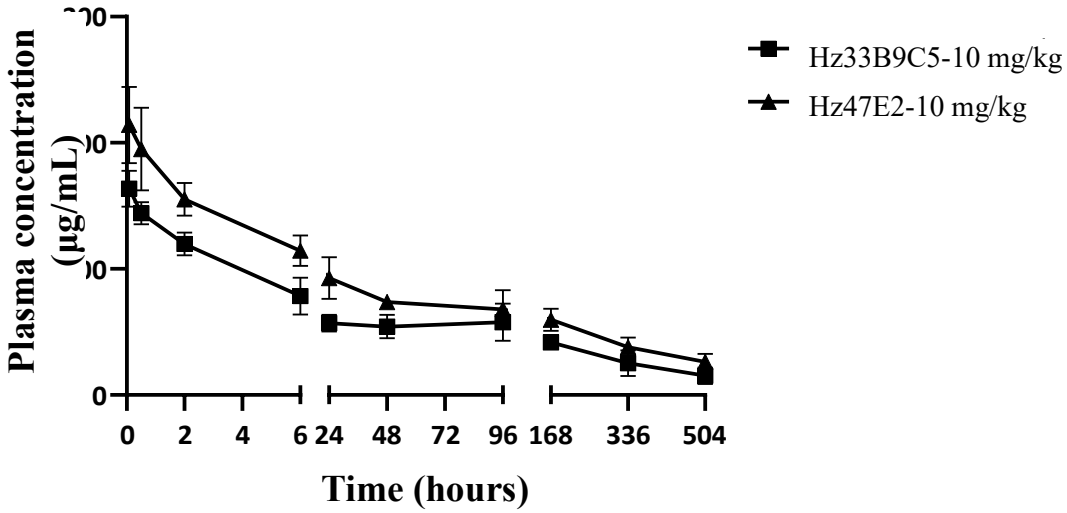
Plasma concentration (µg/mL)
0
0
2
4
6
24
48
72
96
168
336
504
Time (hours)
Hz33B9C5-10 mg/kg
Hz47E2-10 mg/kg

FIG. 14