

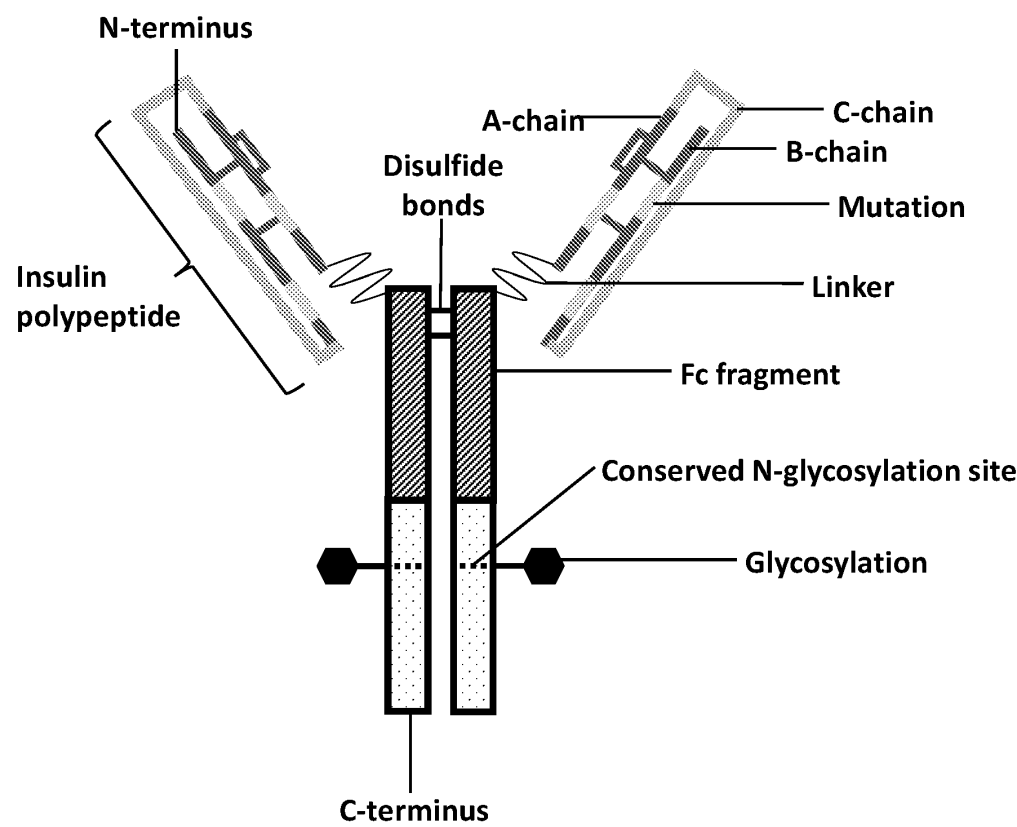


FIG. 1

2/80

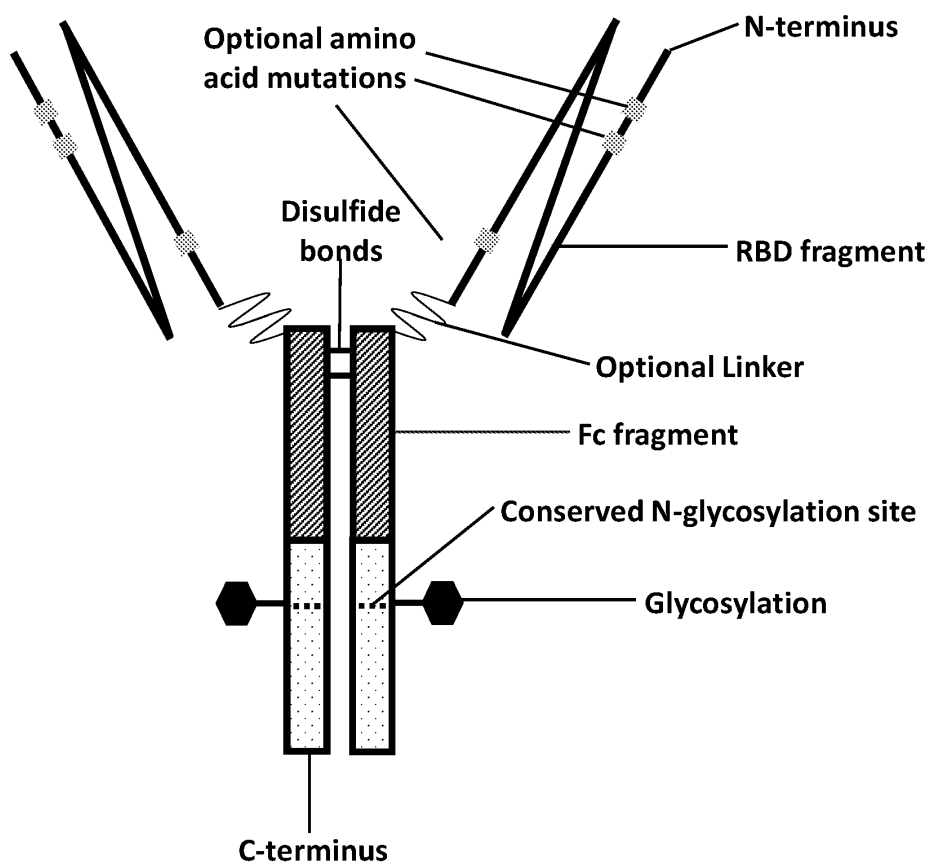


FIG. 2

3/80

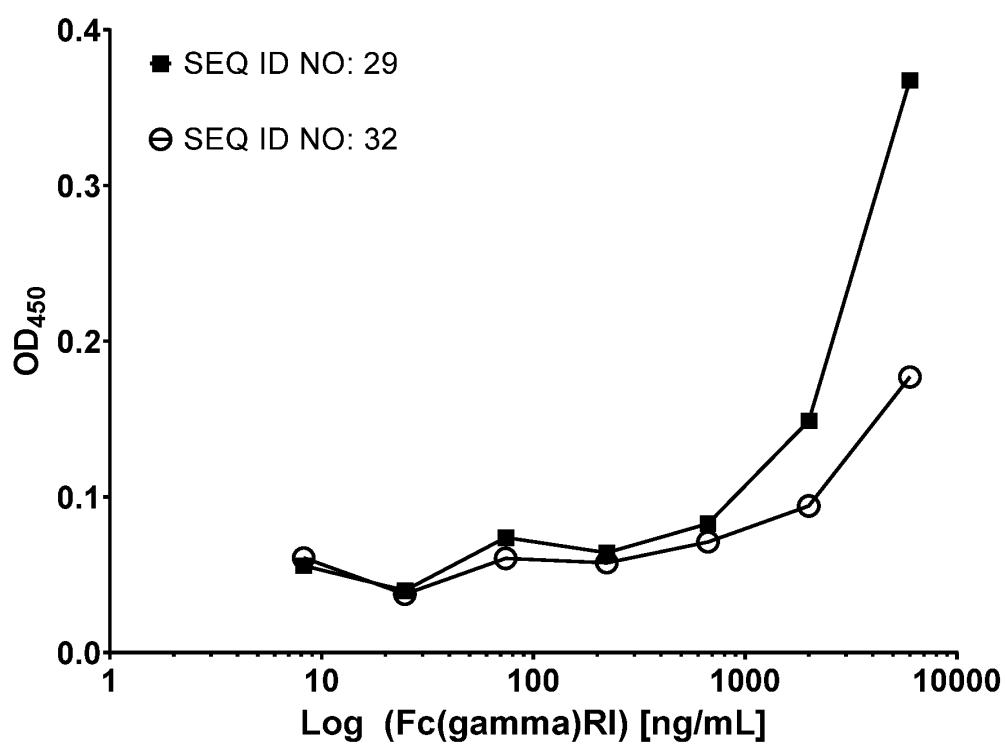


FIG. 3

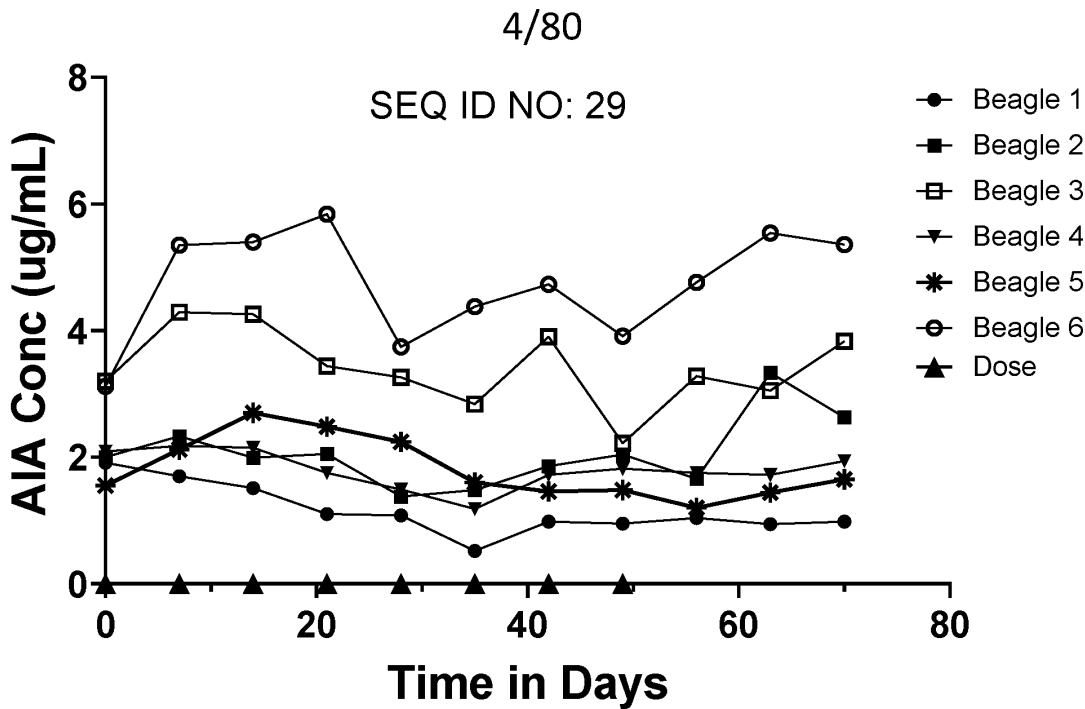


FIG. 4

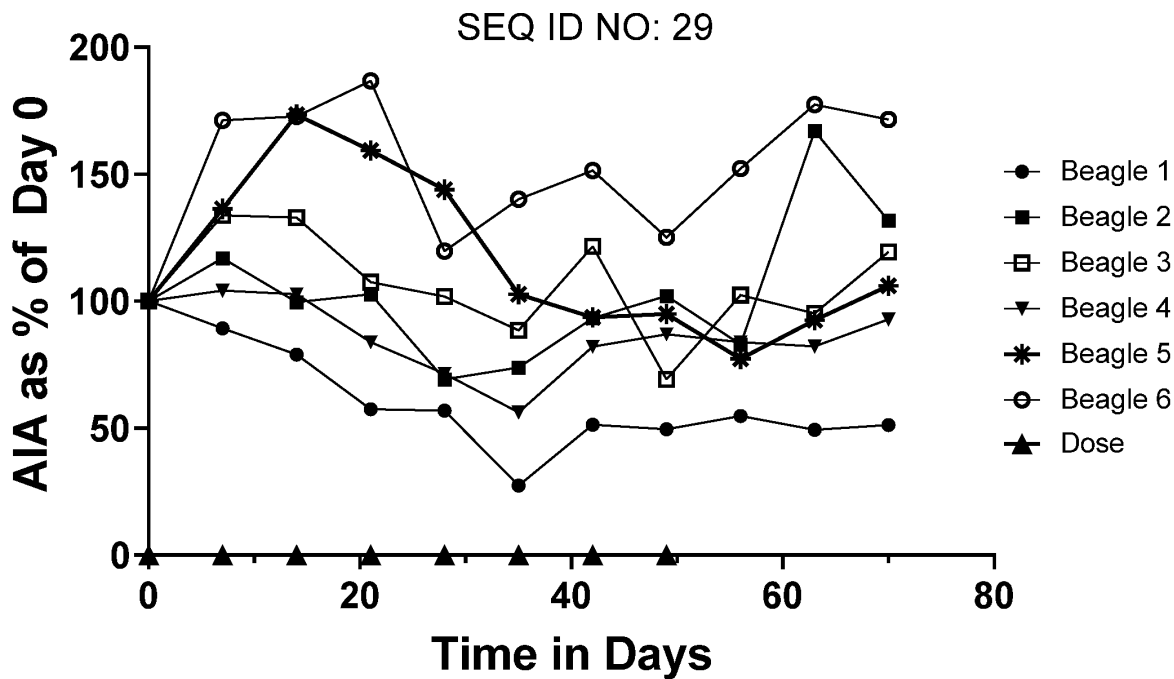


FIG. 5

5/80

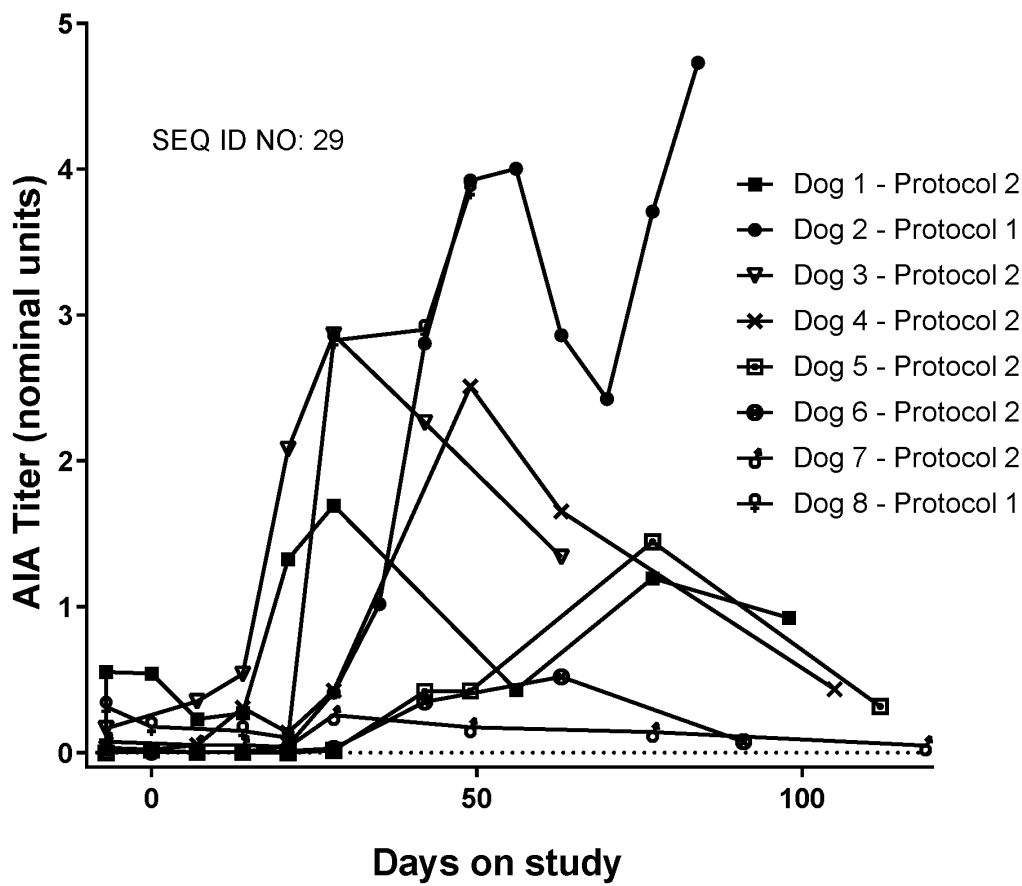


FIG. 6

6/80

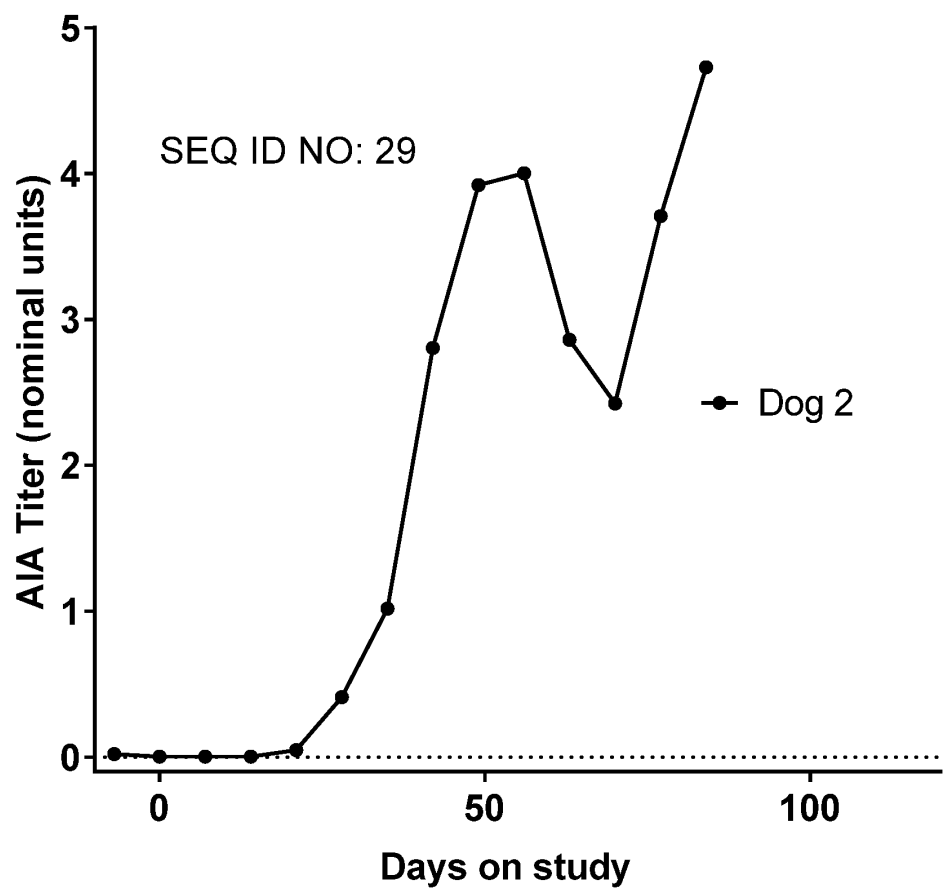


FIG. 7

7/80

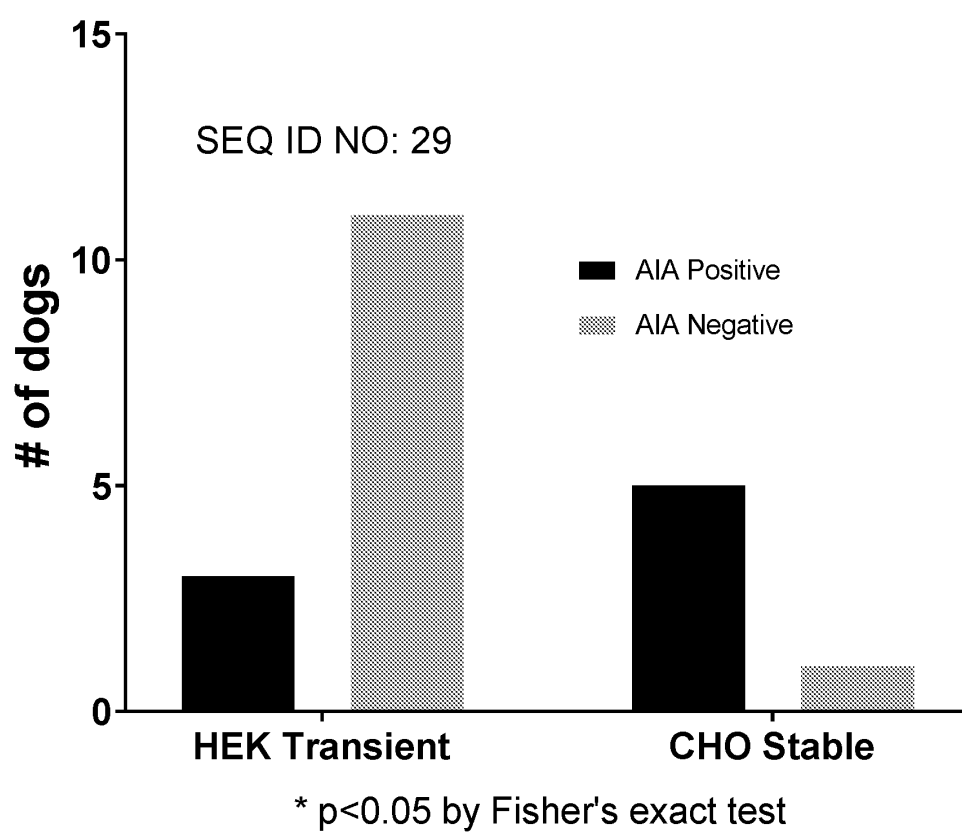


FIG. 8

8/80

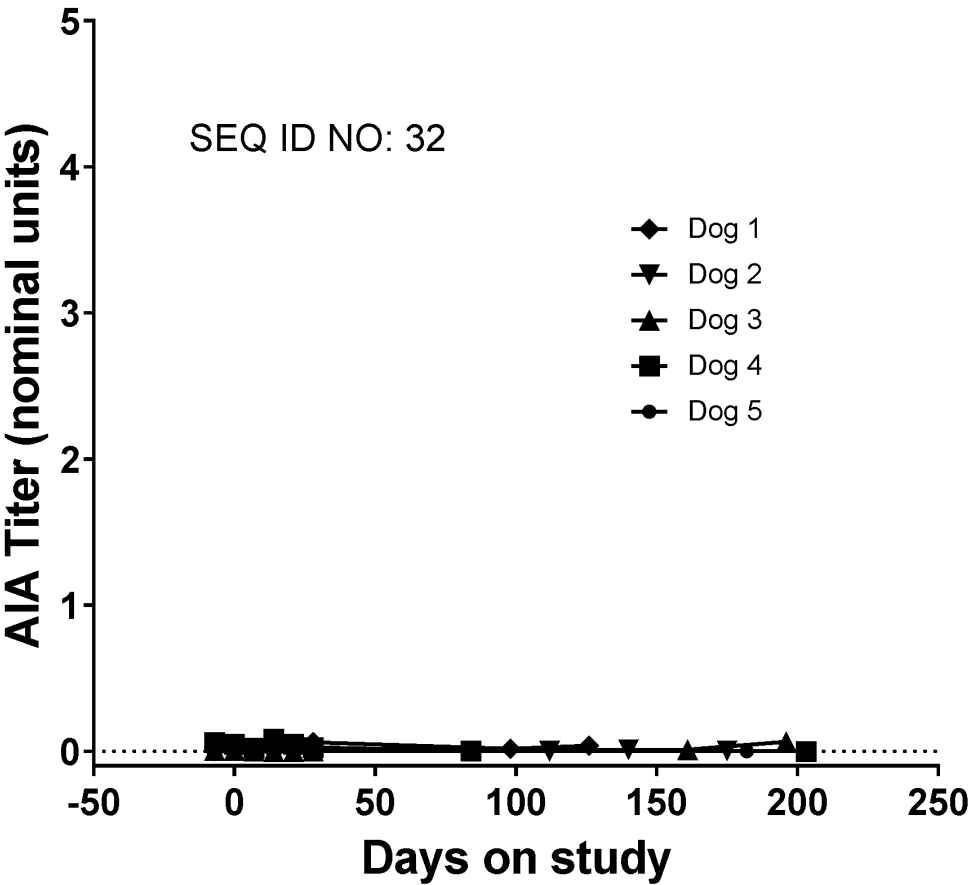


FIG. 9

9/80

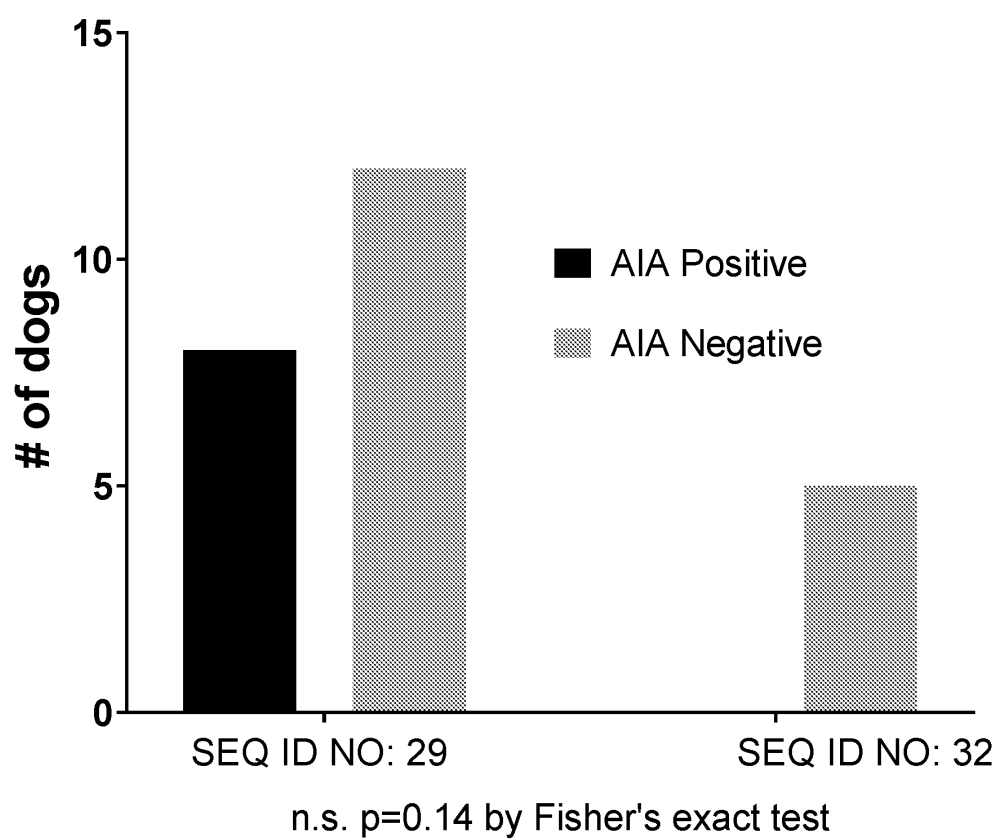


FIG. 10

10/80

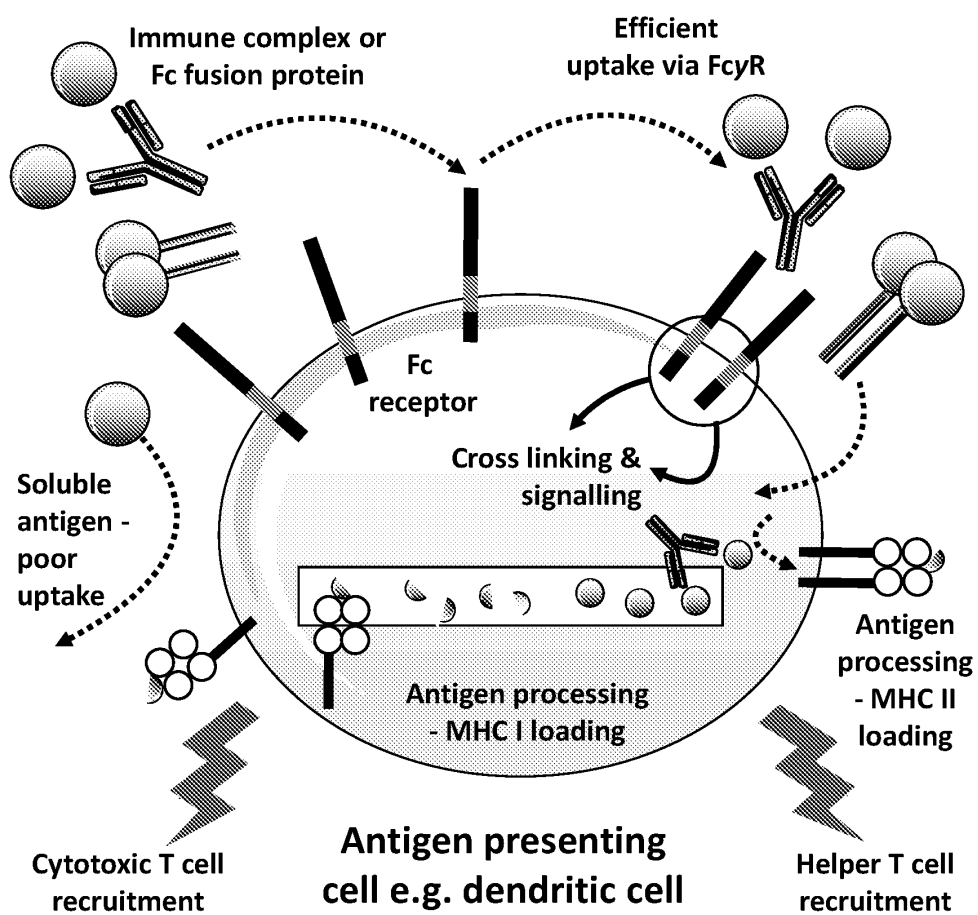


FIG. 11

11/80

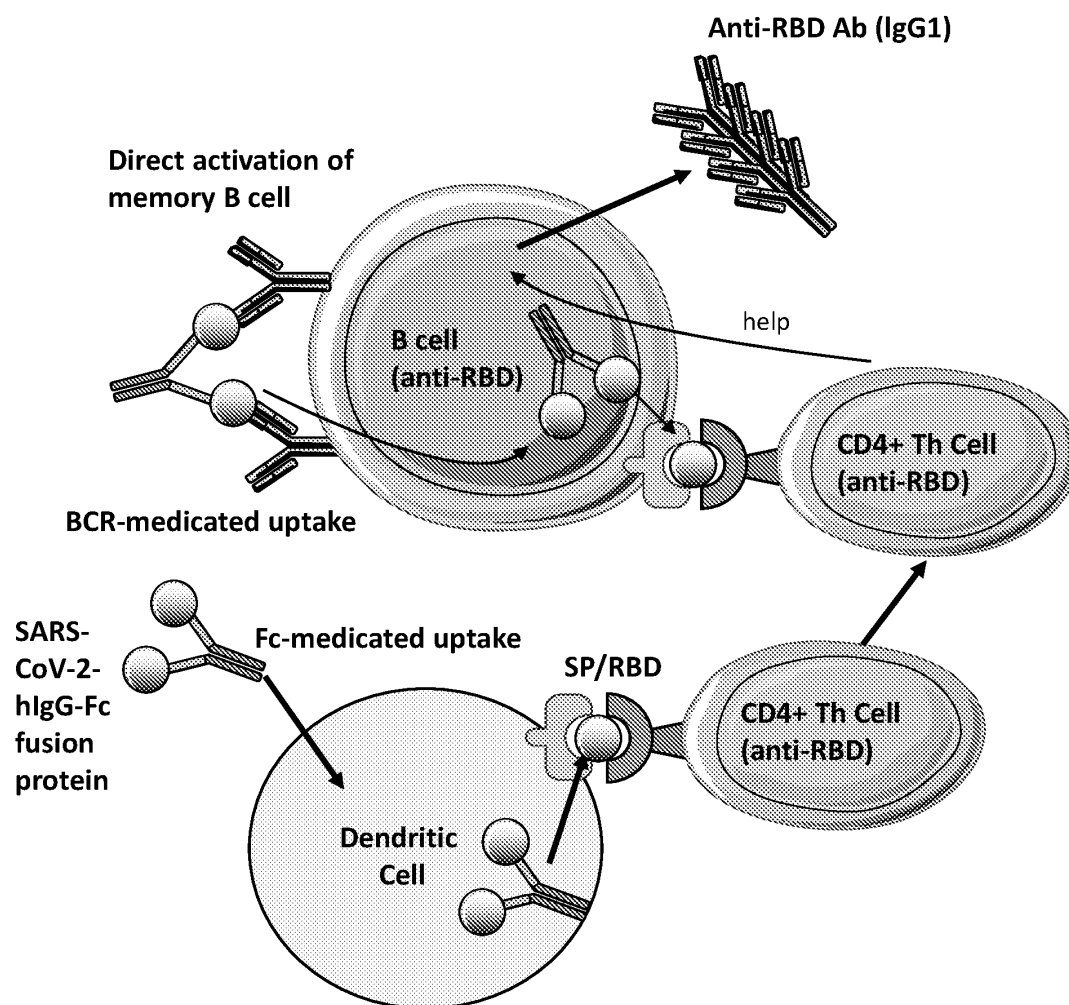


FIG. 12

12/80

SEQ ID NO: 2	PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLNSASFSTFKCYGVSP TKLND	60
SEQ ID NO: 9	-QITNLCPFGEVFQATRFASVYAWNRRKRISNCVADYSVLNSASFSTFKCYGVSP TKLND : *****: *****	59
SEQ ID NO: 2	LCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGGNY	120
SEQ ID NO: 9	LMFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGGNY * *****	119
SEQ ID NO: 2	NYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYR	180
SEQ ID NO: 9	NYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYPYR *****	179
SEQ ID NO: 2	VVVL SFELLHAPATVCGPKKSTNLVKNCVNFNFNGLTGTGVLTESNKKFLPFQQFGRDI	240
SEQ ID NO: 9	VVVL SFELLHAPATV----- *****	194
SEQ ID NO: 2	ADTTDAVRDPQTLE	254
SEQ ID NO: 9	-----	194

FIG. 13

13/80

SEQ ID NO:2	PNITNLCPFGEVFNATRFASVYAWNKRKISNCVADYSVLYNSASFSTFKCYGVSP TKLND	60
SEQ ID NO:10	-----	0
SEQ ID NO:2	LCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVG GNY	120
SEQ ID NO:10	-----VIAWNSNNLDSKVG GNY *****	17
SEQ ID NO:2	NYLYRLF RKSNLKP FERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVG YQPYR	180
SEQ ID NO:10	NYLYRLF RKSNLKP FERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVG YQPYR *****	77
SEQ ID NO:2	VVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKKFLPFQQFGRDI	240
SEQ ID NO:10	VVLSFELLHAPATV----- *****	92
SEQ ID NO:2	ADTTDAVRDPQTLE	254
SEQ ID NO:10	-----	92

FIG. 14

14/80

SEQ ID NO: 2	-----PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFK	49
SEQ ID NO: 14	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFK	60

SEQ ID NO: 2	CYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNS	109
SEQ ID NO: 14	CYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNS	120

SEQ ID NO: 2	NNLDSKVGGNYNLYRLFRKSNLKPFERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQ	169
SEQ ID NO: 14	NNLDSKVGGNYNLYRLFRKSNLKPFERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQ	180

SEQ ID NO: 2	PTNGVGYPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKK	229
SEQ ID NO: 14	PTNGVGYPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVNF-----	223

SEQ ID NO: 2	FLPFQQFGRDIADTTDAVRDPQTLE	254
SEQ ID NO: 14	-----	223

FIG. 15

15/80

SEQ ID NO:2	-----PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFK	49
SEQ ID NO:15	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFK	60

SEQ ID NO:2	CYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNS	109
SEQ ID NO:15	CYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNS	120

SEQ ID NO:2	NNLDSKVGGNYNLYRLFRKSNLKPFERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQ	169
SEQ ID NO:15	NNLDSKVGGNYNLYRLFRKSNLKPFERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQ	180

SEQ ID NO:2	PTNGVGYPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKK	229
SEQ ID NO:15	PTNGVGYPYRVVLSFELLHAPATVCGPKKSTNLVK-----	217

SEQ ID NO:2	FLPFQQFGRDIADTTDAVRDPQLE	254
SEQ ID NO:15	-----	217

FIG. 16

16/80

SEQ ID NO:2	-----PNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYSVLVNSASFSTFK	49
SEQ ID NO:13	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRKRISNCVADYSVLVNSASFSTFK	60

SEQ ID NO:2	CYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPPDFTGCVIAWNS	109
SEQ ID NO:13	CYGVSPTKLNDLCFTNVYADSFVIRGDEVQRQIAPGQTGKIADYNYKLPPDFTGCVIAWNS	120

SEQ ID NO:2	NNLDSKVGGNINYLYRLFRKSNLKPFRDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQ	169
SEQ ID NO:13	NNLDSKVGGNINYLYRLFRKSNLKPFRDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQ	180

SEQ ID NO:2	PTNGVGYPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKK	229
SEQ ID NO:13	PTNGVGYPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKK	240

SEQ ID NO:2	FLPFQQFGRDIADTTDAVRDPQTLE-----	254
SEQ ID NO:13	FLPFQQFGRDIADTTDAVRDPQTLEILDITPCS	273

FIG. 17

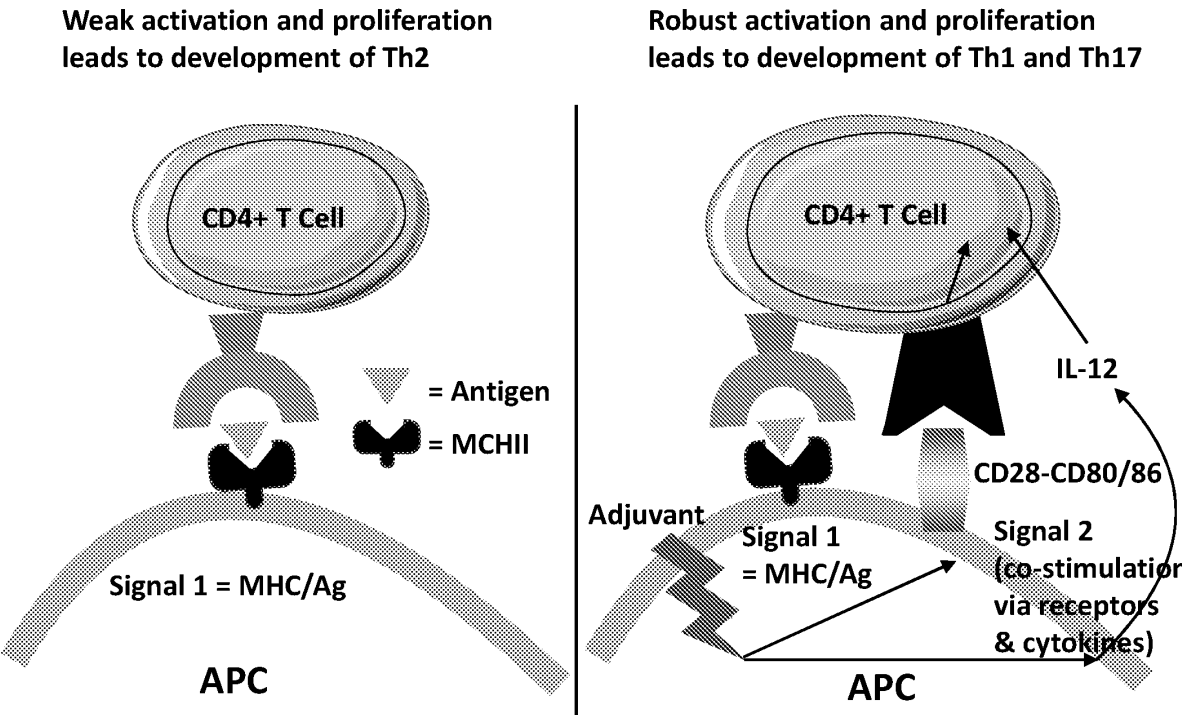


FIG. 18

18/80

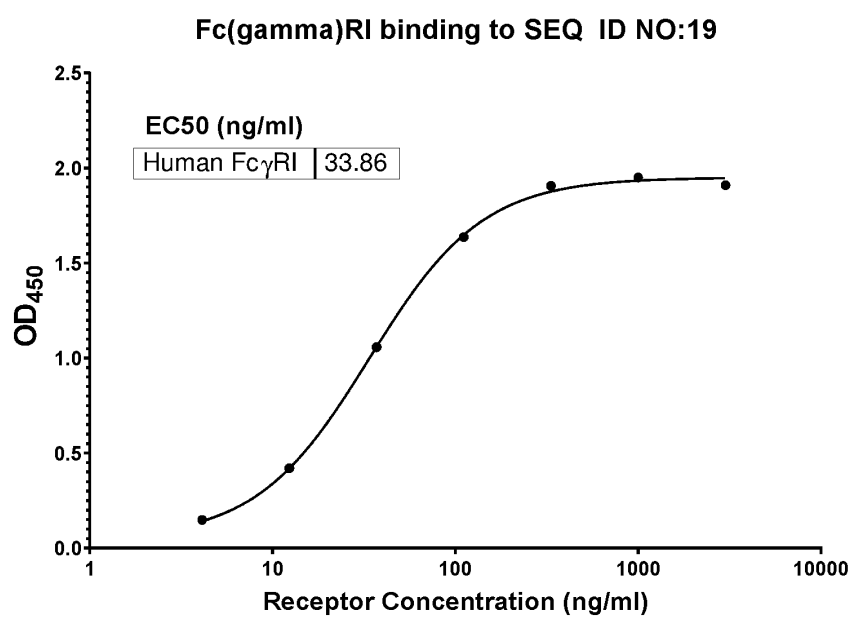


FIG. 19

19/80

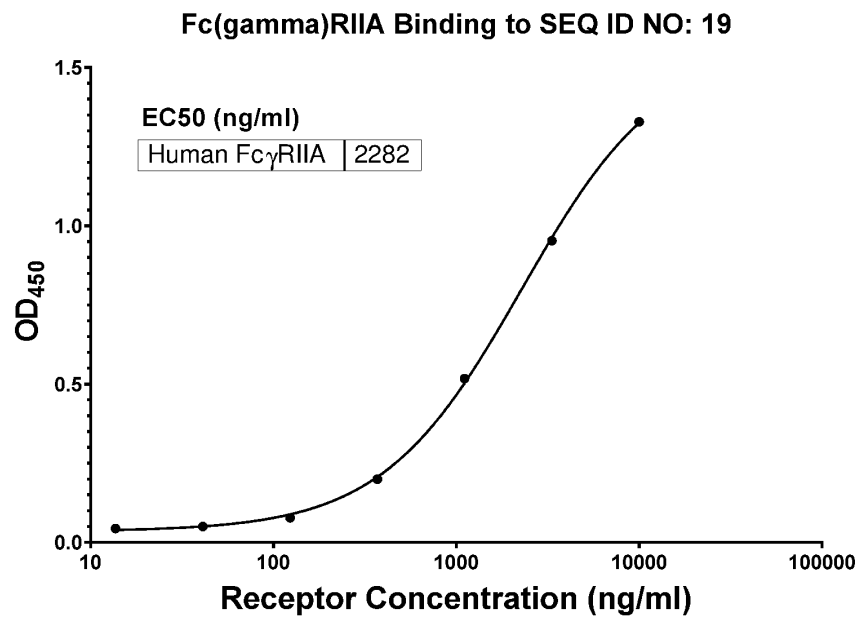


FIG. 20

20/80

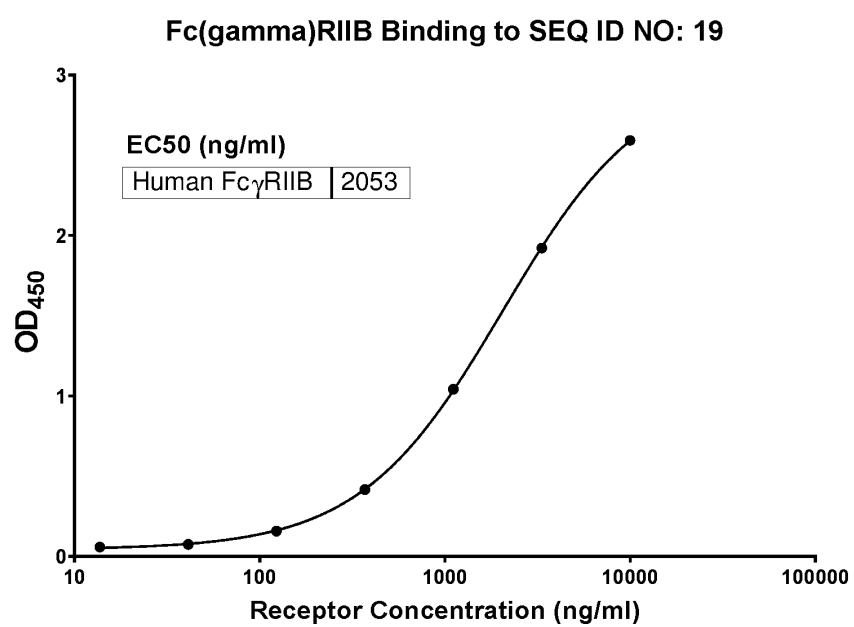


FIG. 21

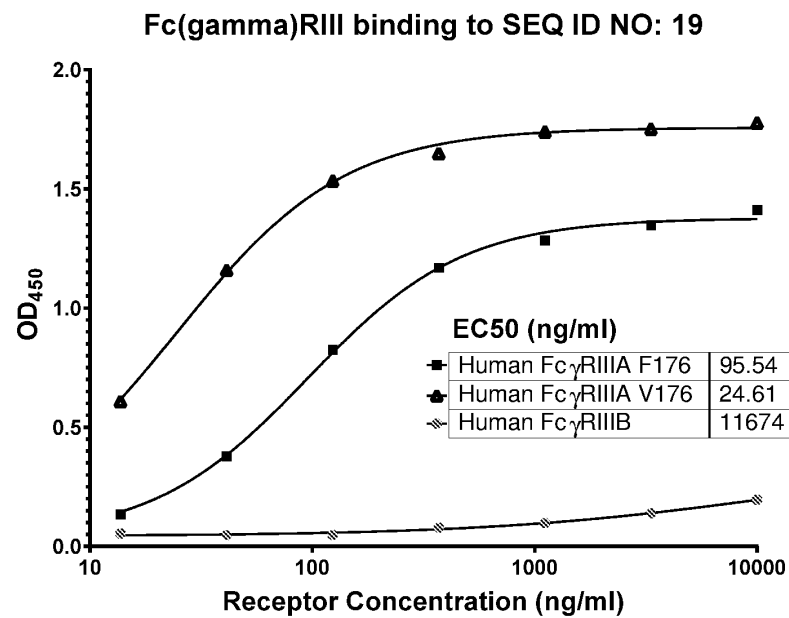


FIG. 22

22/80

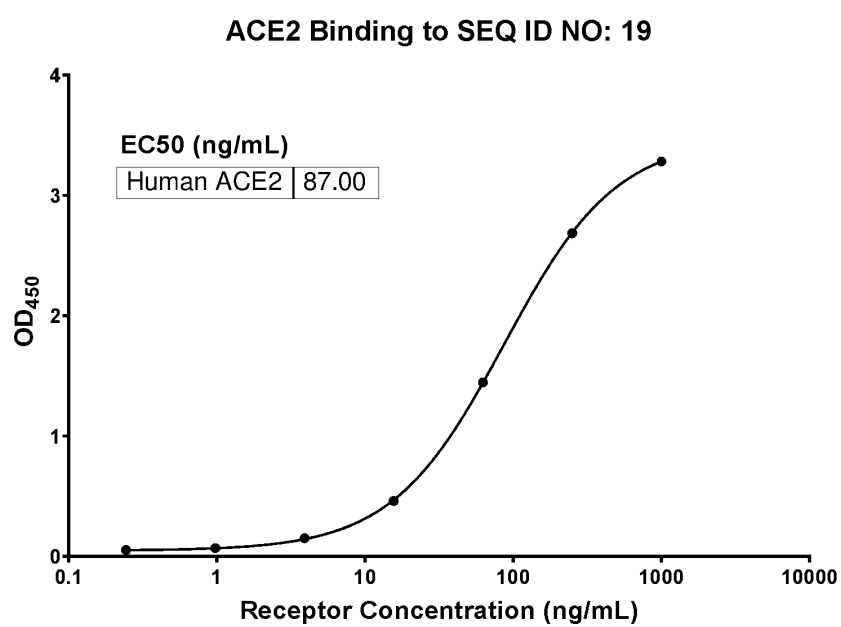


FIG. 23

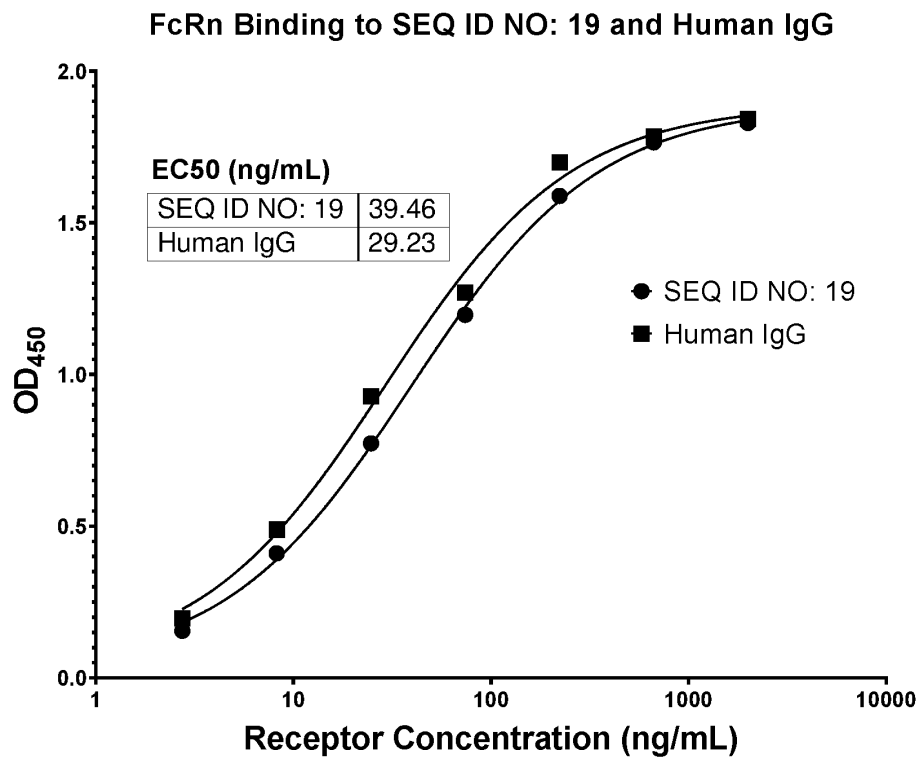


FIG. 24

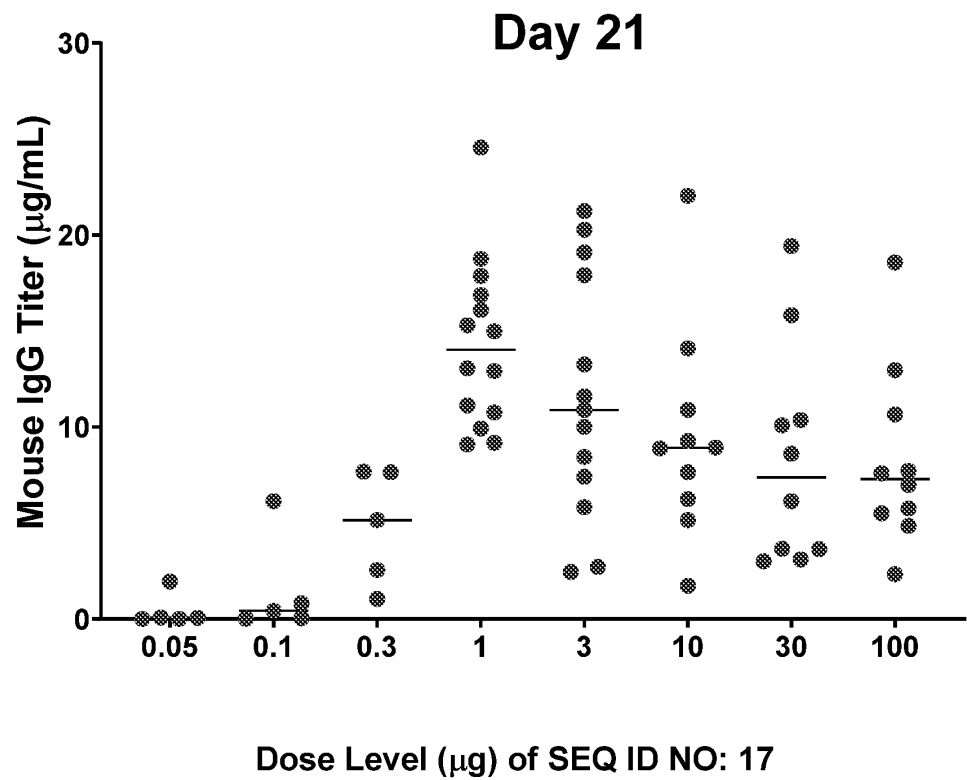


FIG. 25

25/80

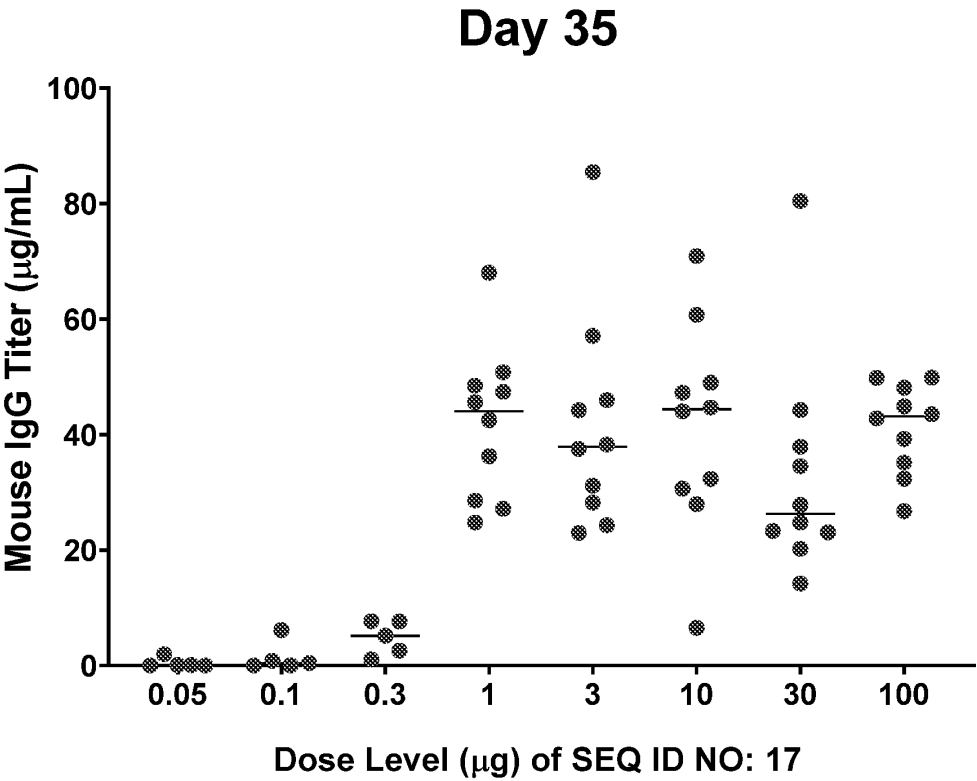


FIG. 26

26/80

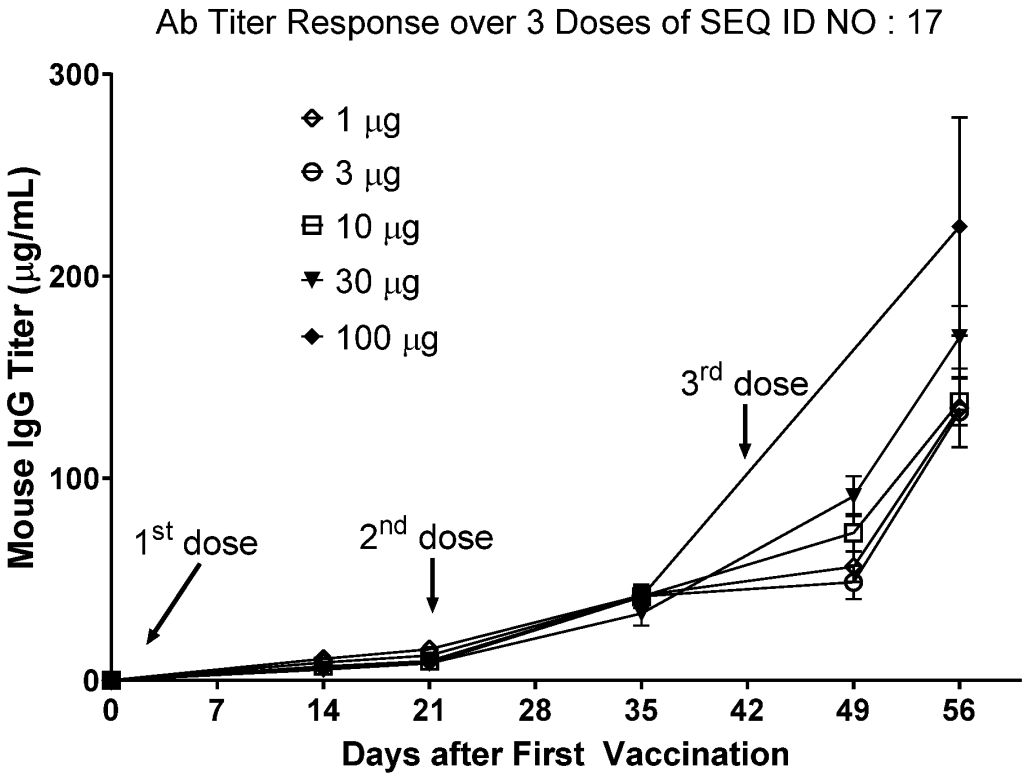


FIG. 27

27/80

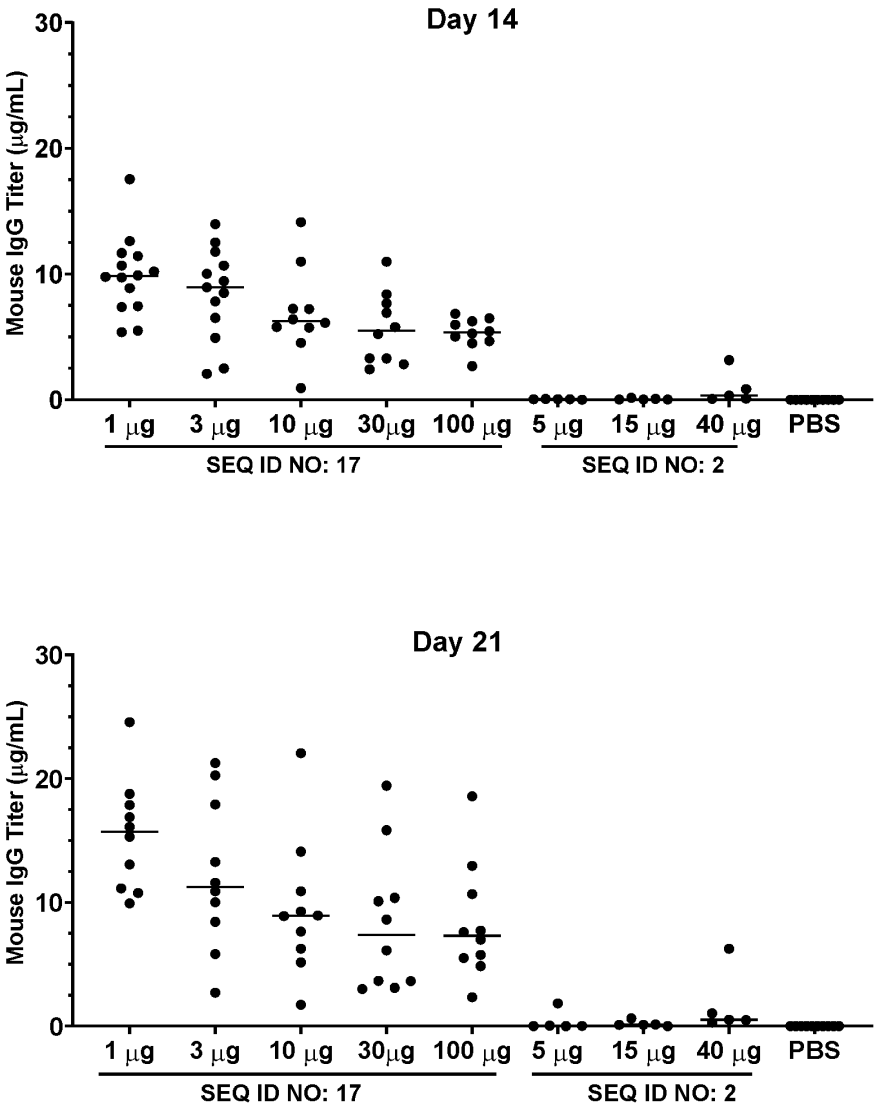


FIG. 28

28/80

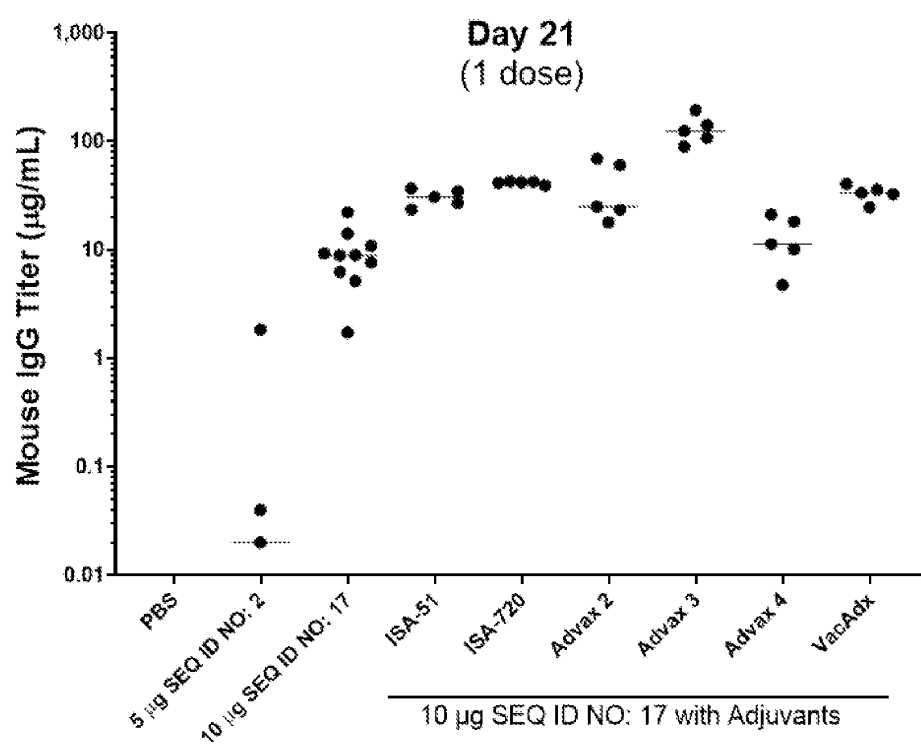


FIG. 29

29/80

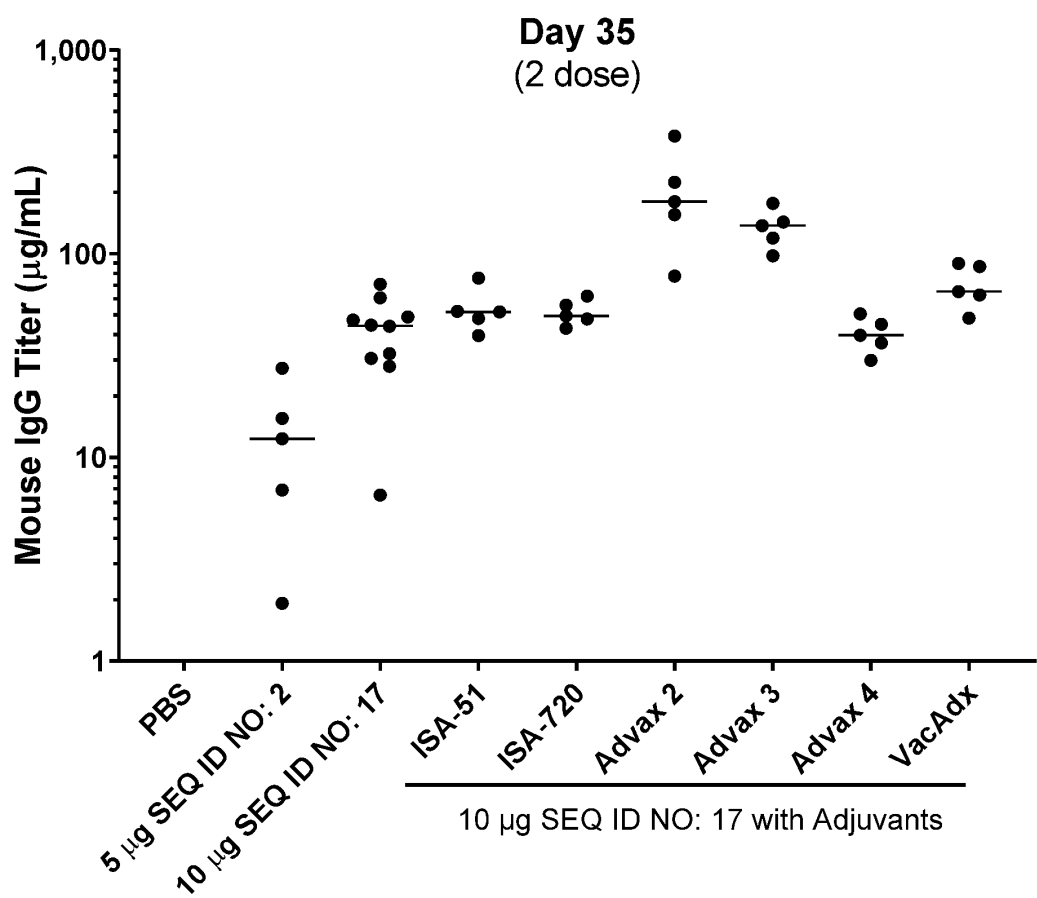


FIG. 30

30/80

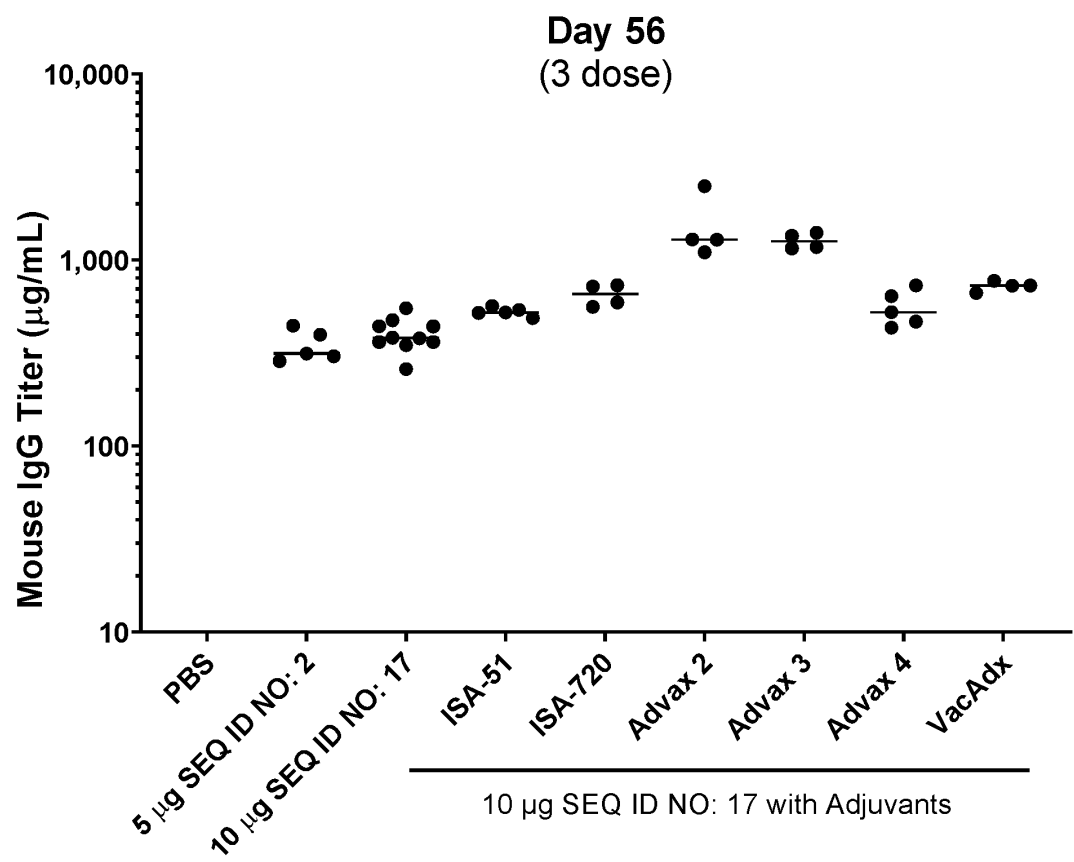


FIG. 31

31/80

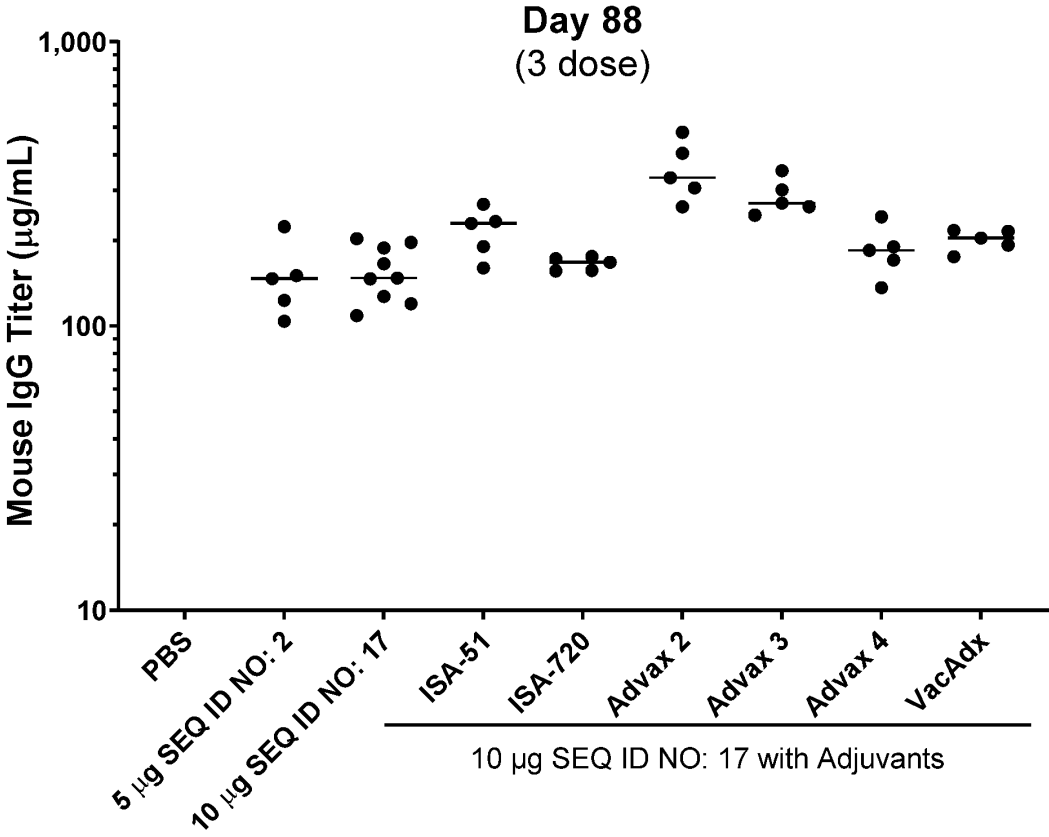


FIG. 32

32/80

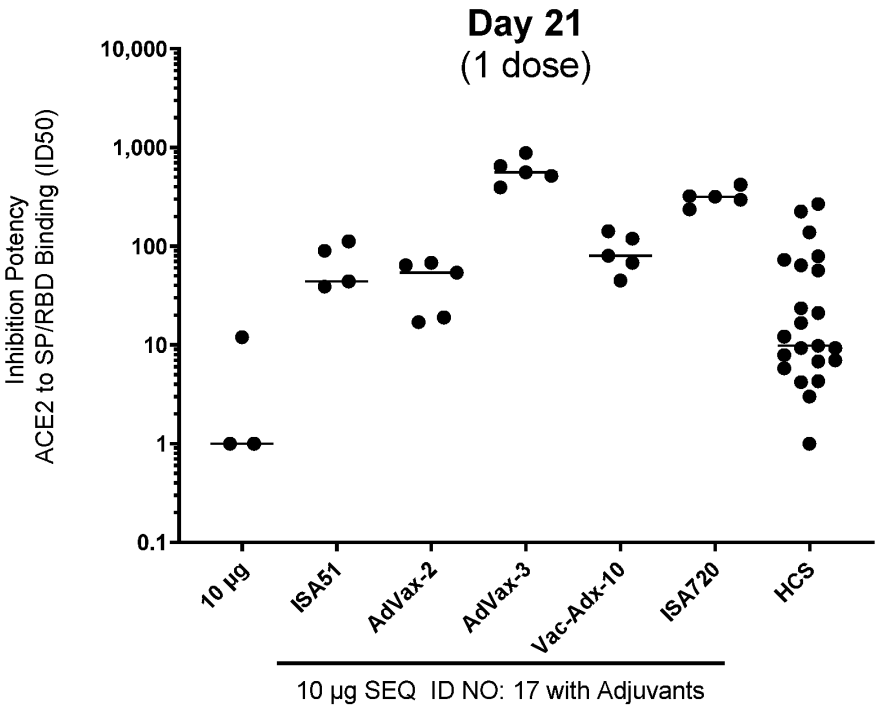


FIG. 33

33/80

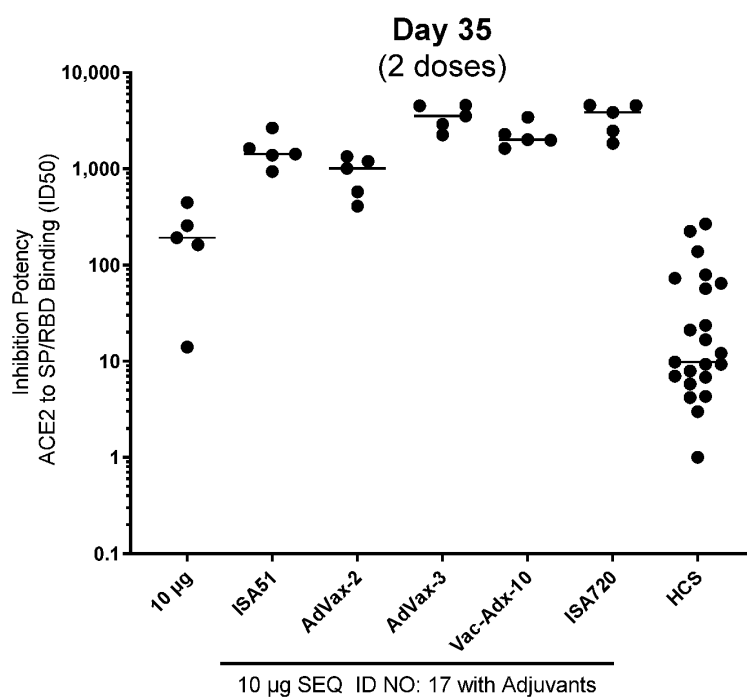


FIG. 34

34/80

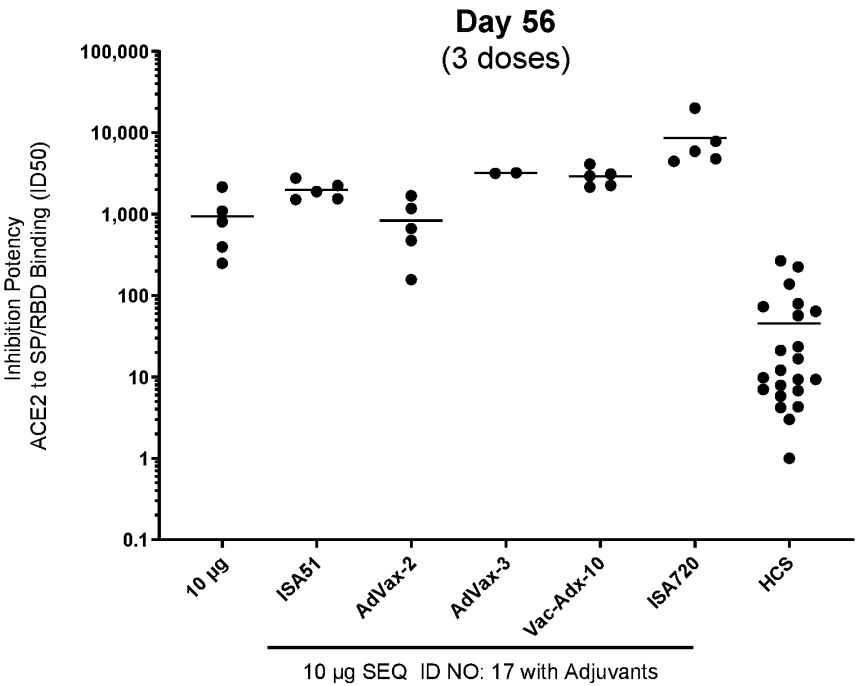


FIG. 35

35/80

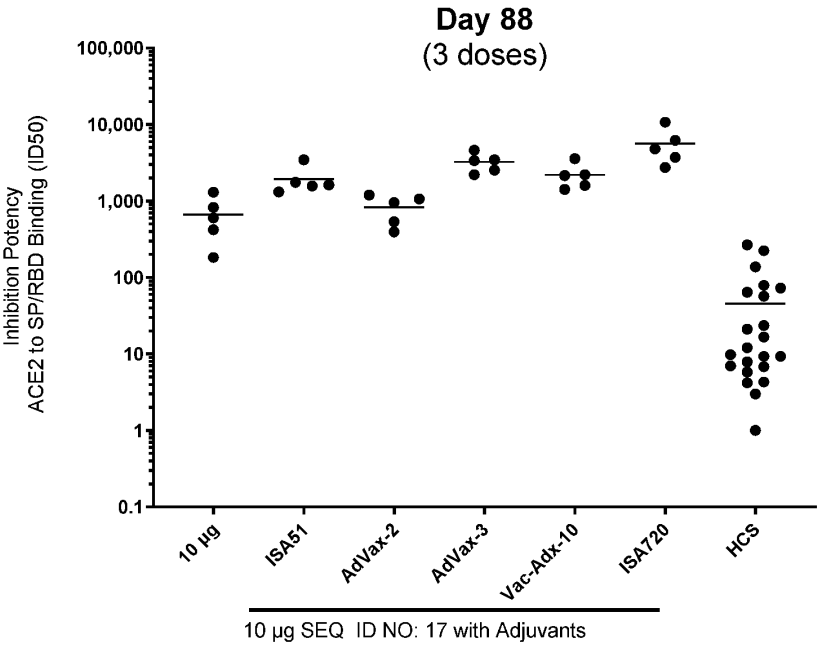


FIG. 36

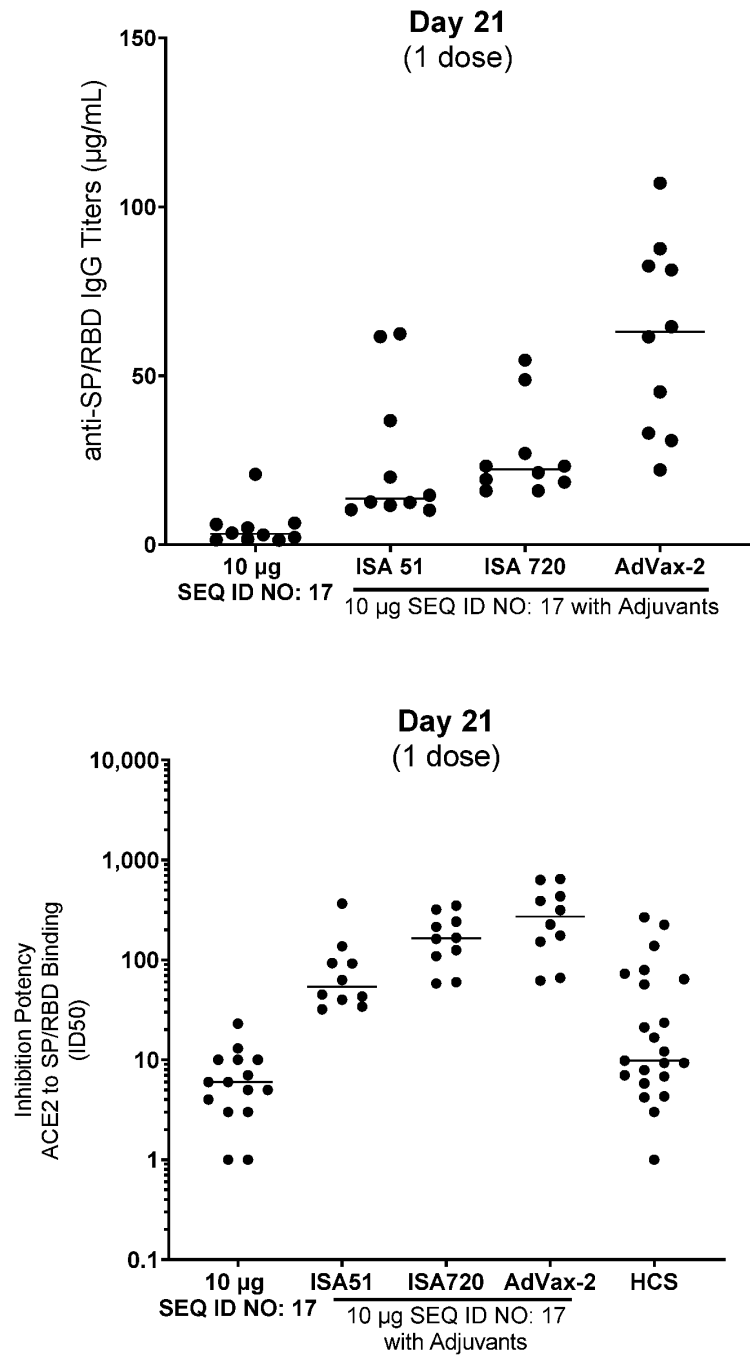


FIG. 37

37/80

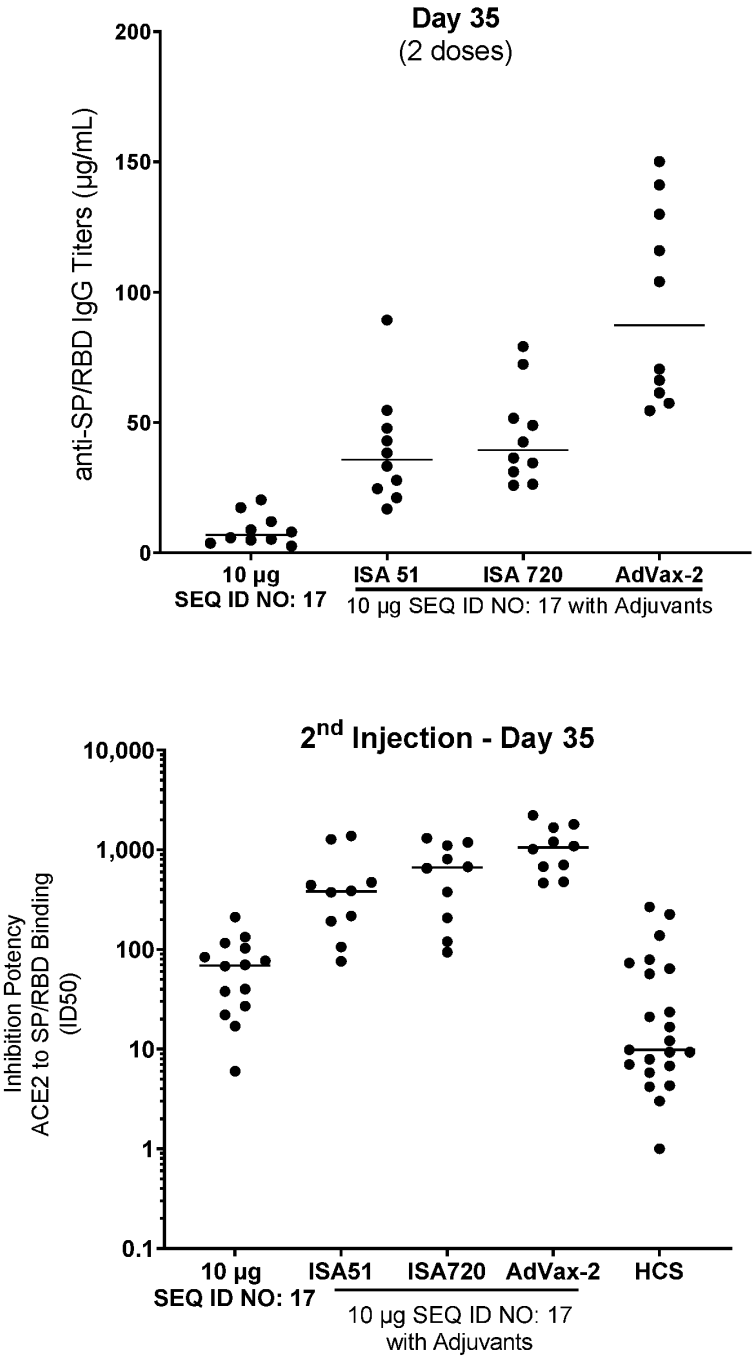


FIG. 38

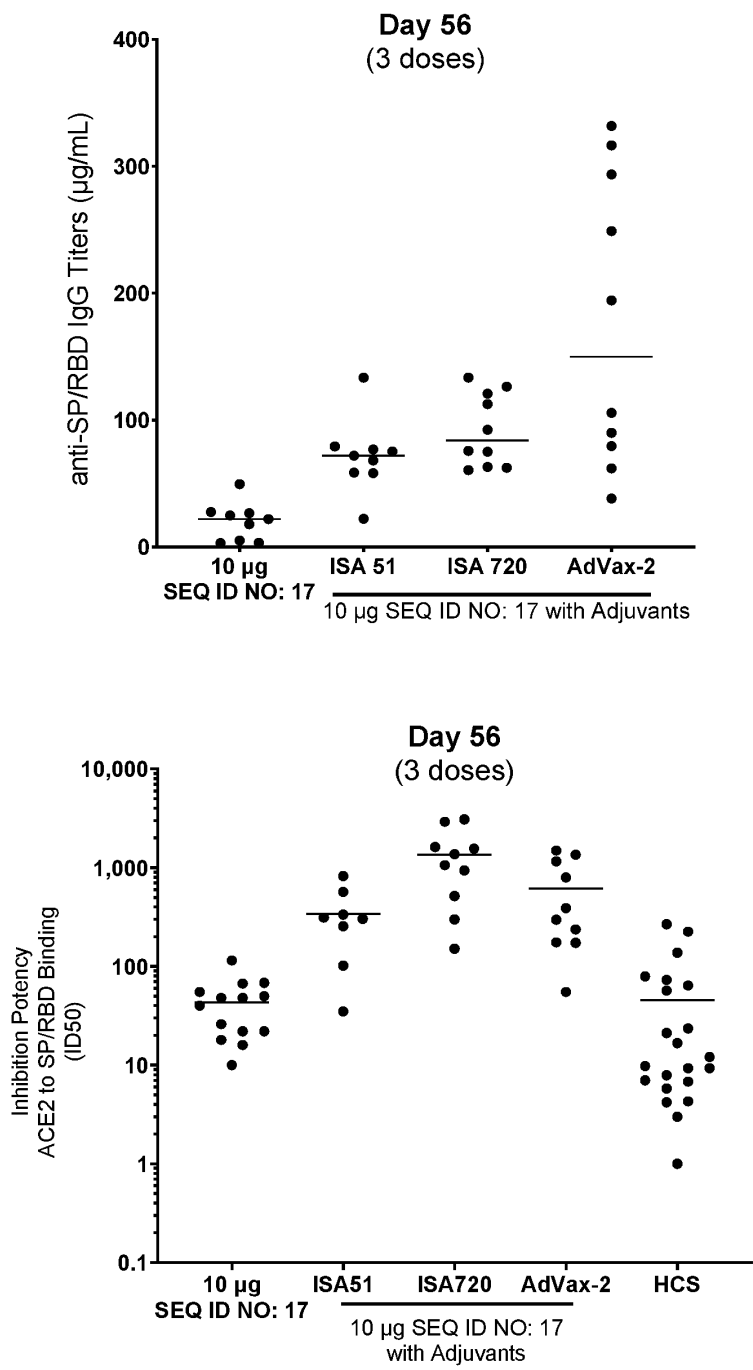


FIG. 39

39/80

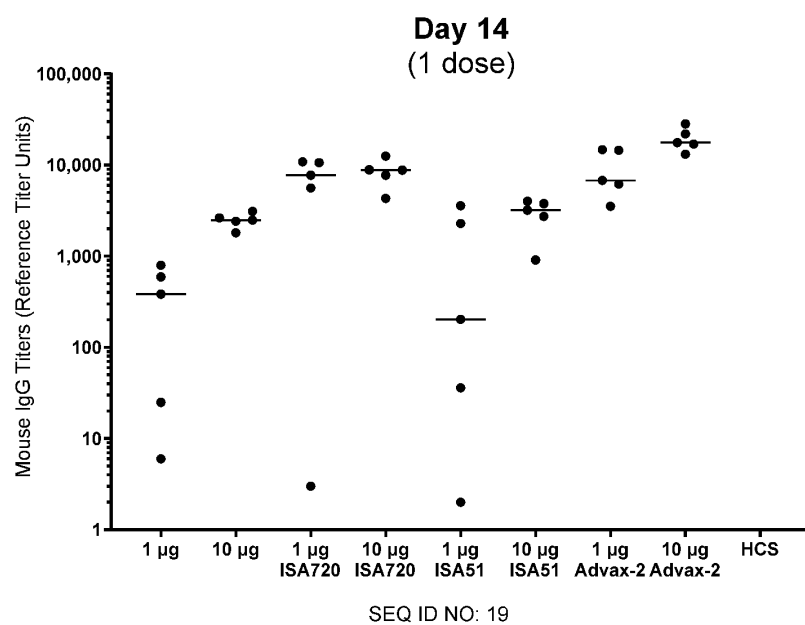


FIG. 40

40/80

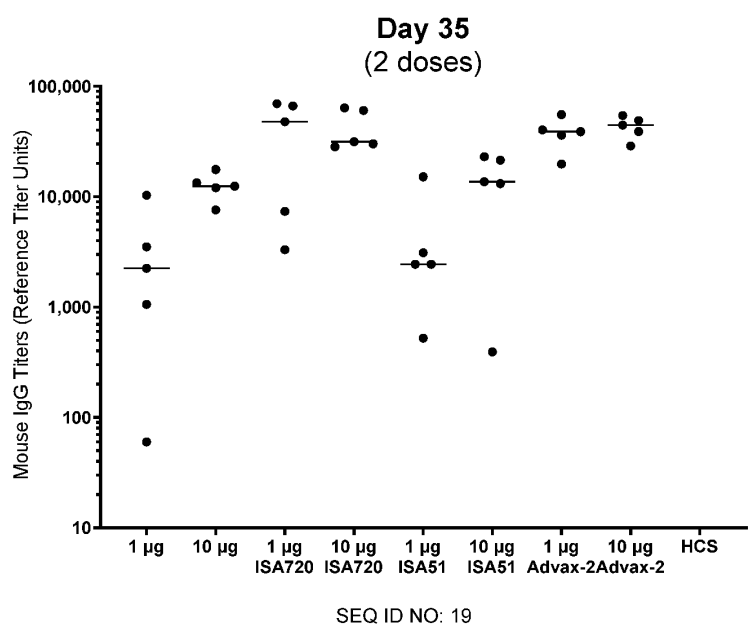


FIG. 41

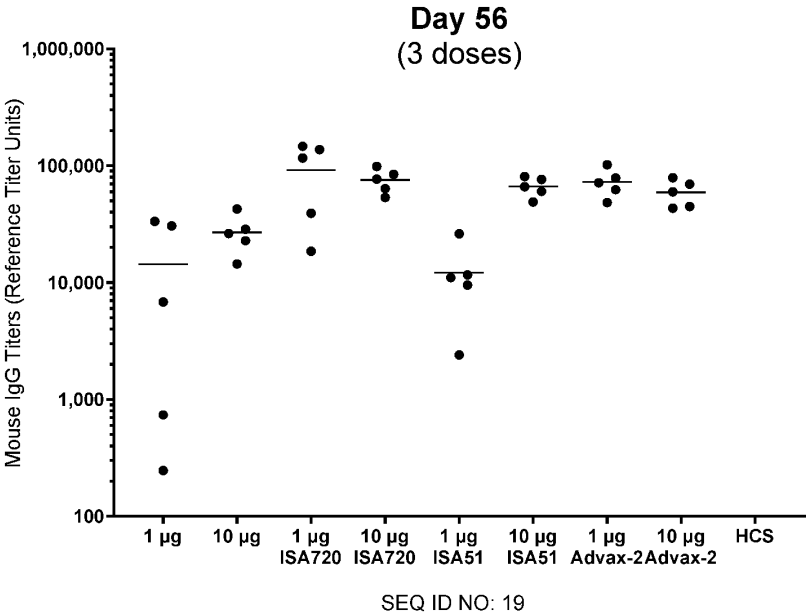


FIG. 42

42/80

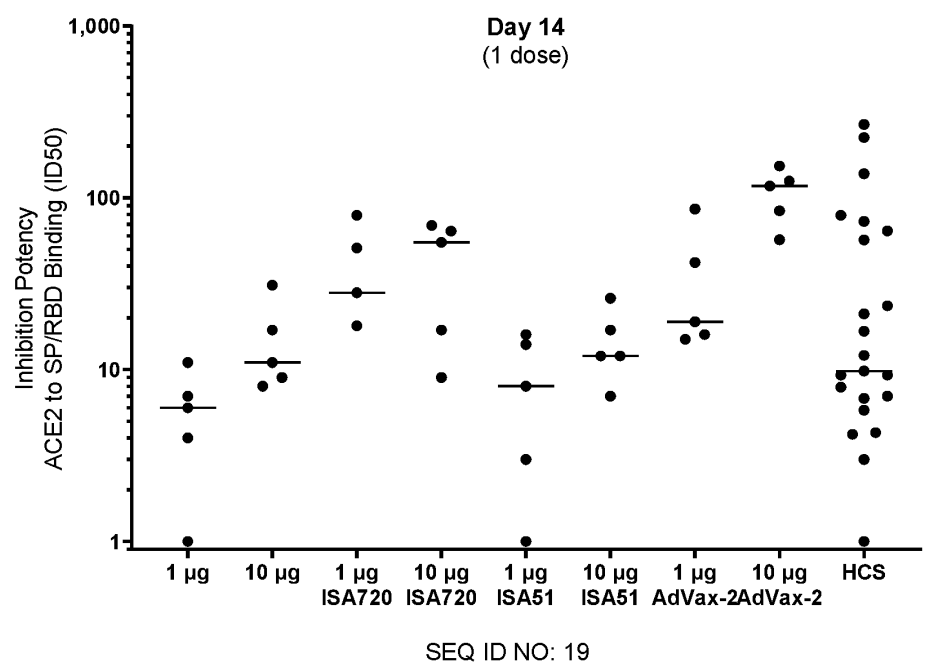


FIG. 43

43/80

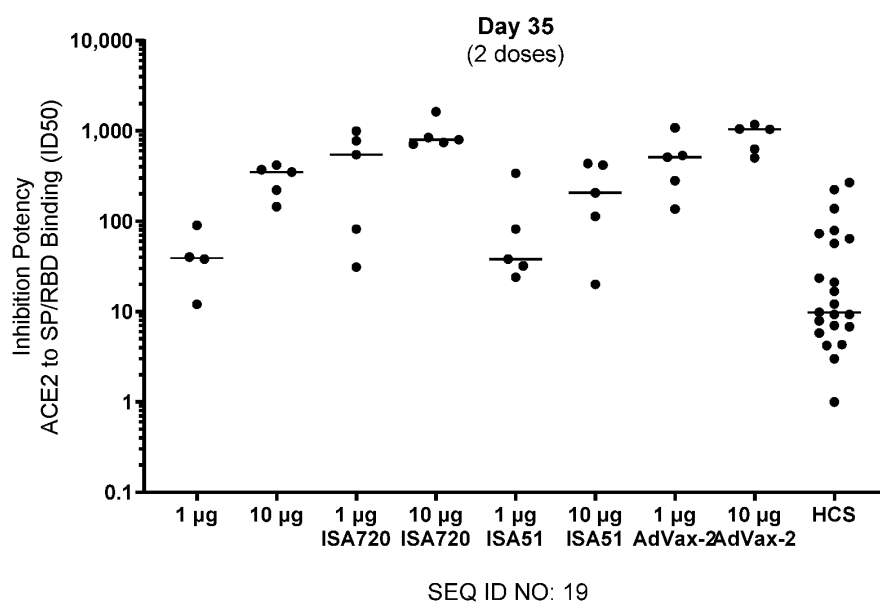
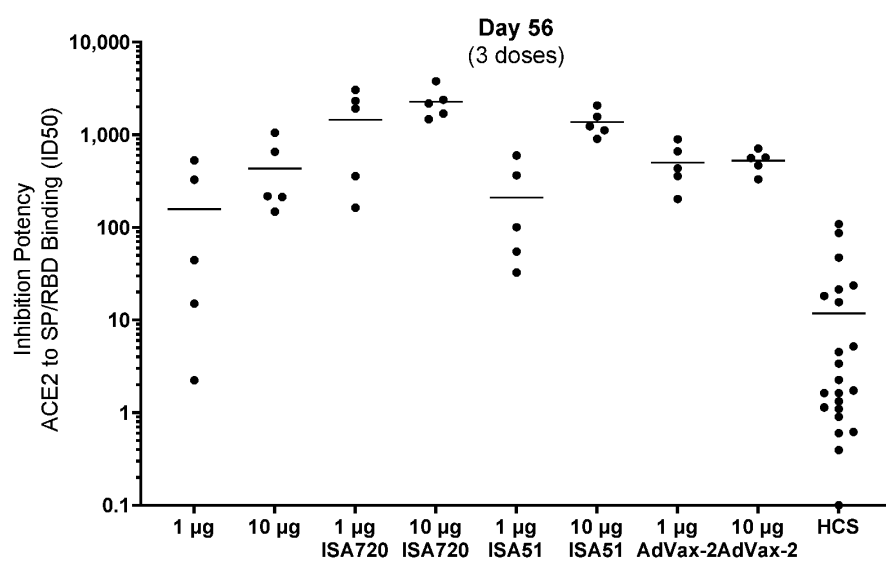


FIG. 44

44/80



SEQ ID NO: 19

FIG. 45

45/80

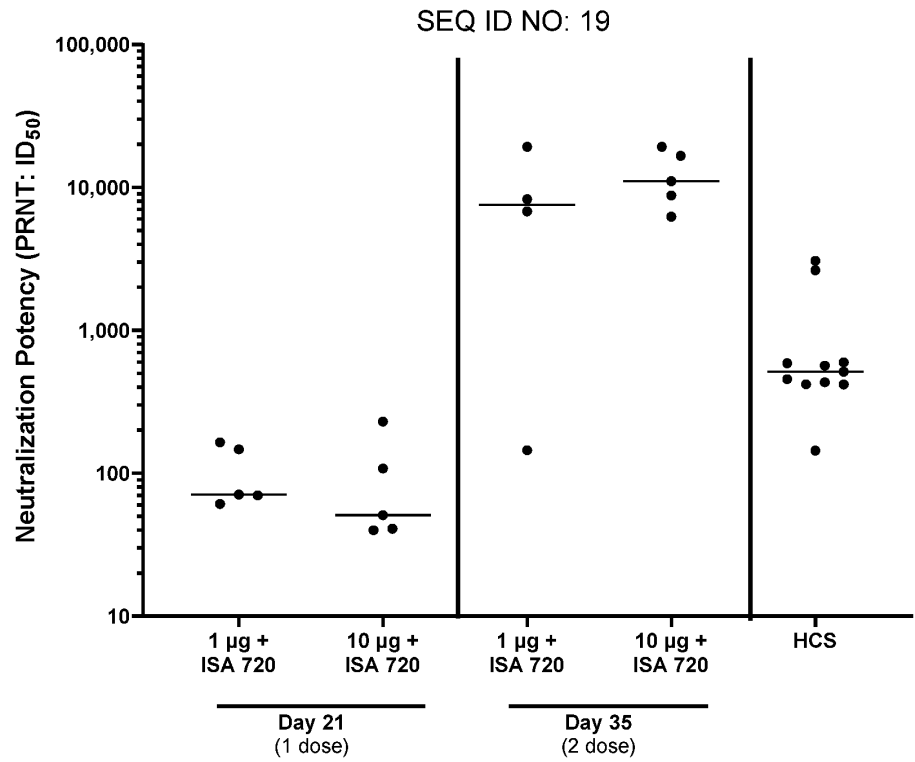


FIG. 46

46/80

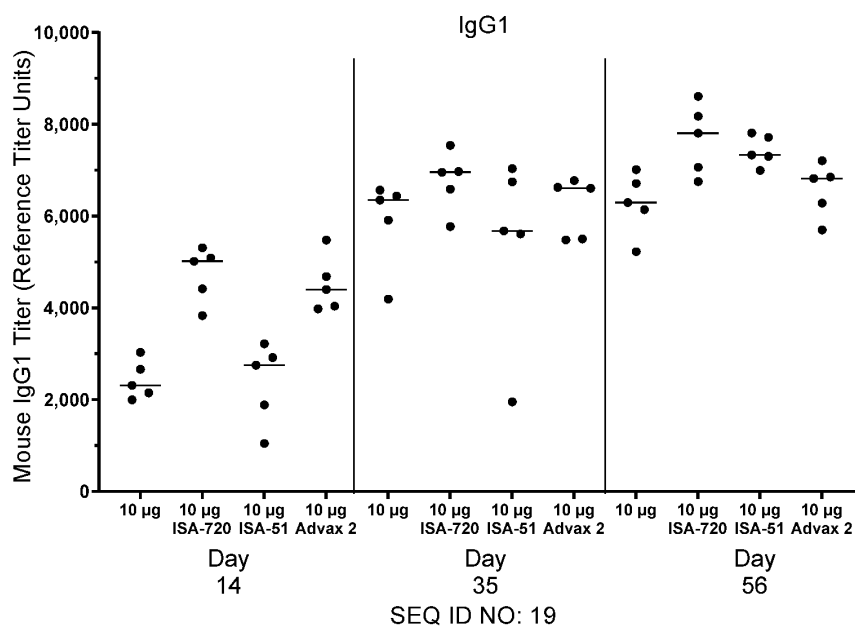


FIG. 47

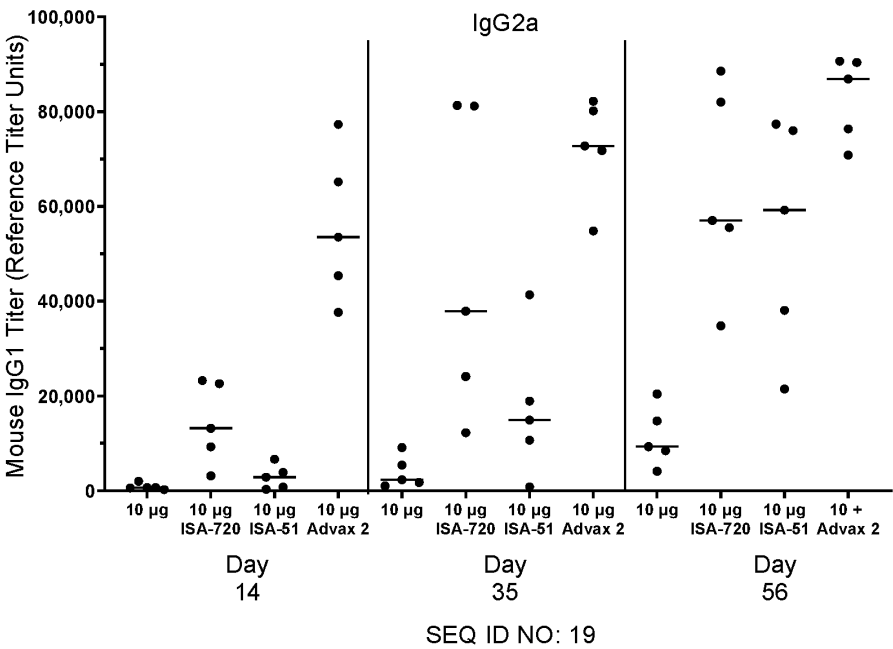


FIG. 48

48/80

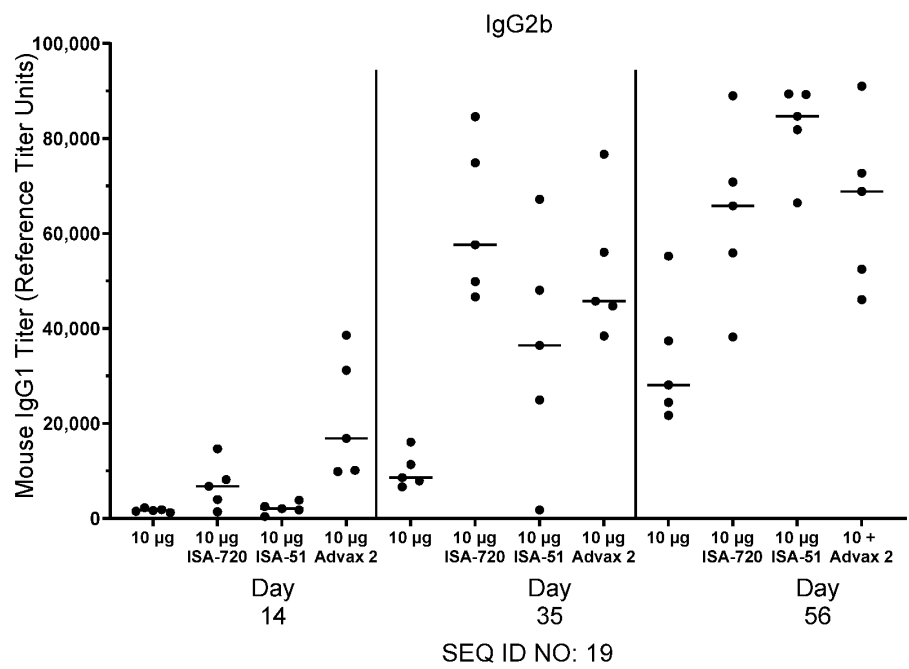


FIG. 49

49/80

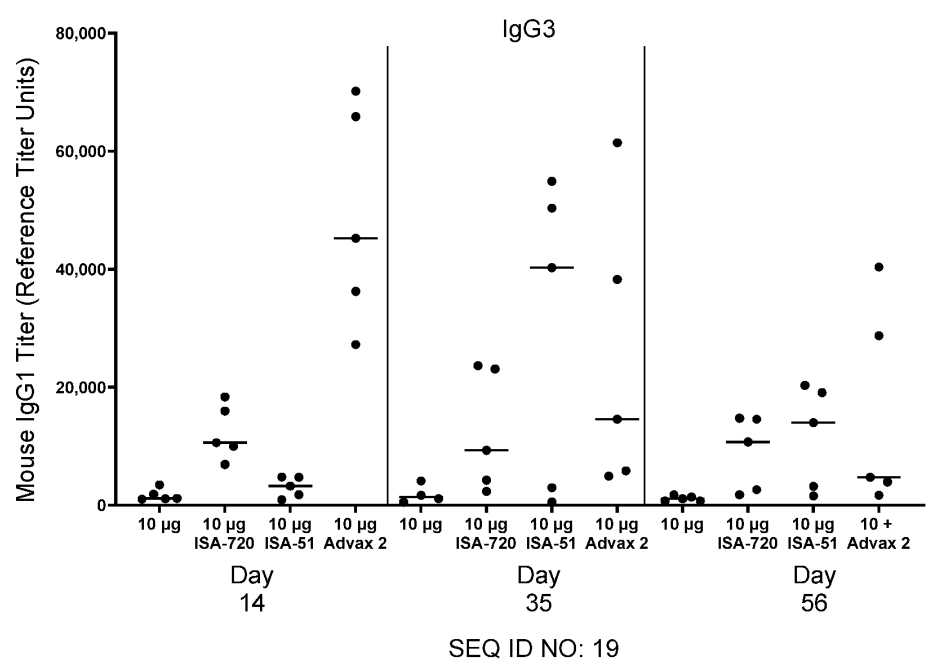


FIG. 50

50/80

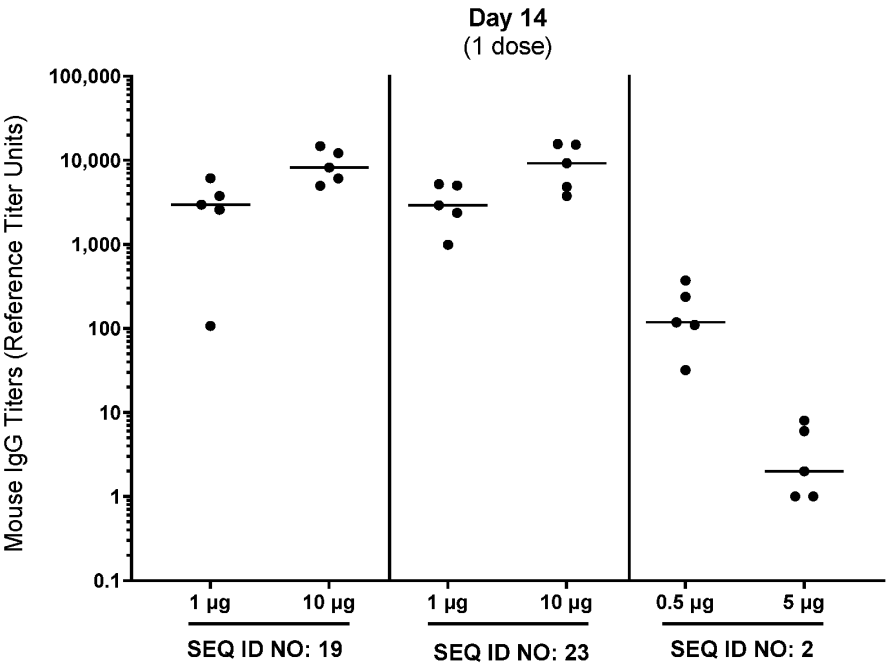


FIG. 51

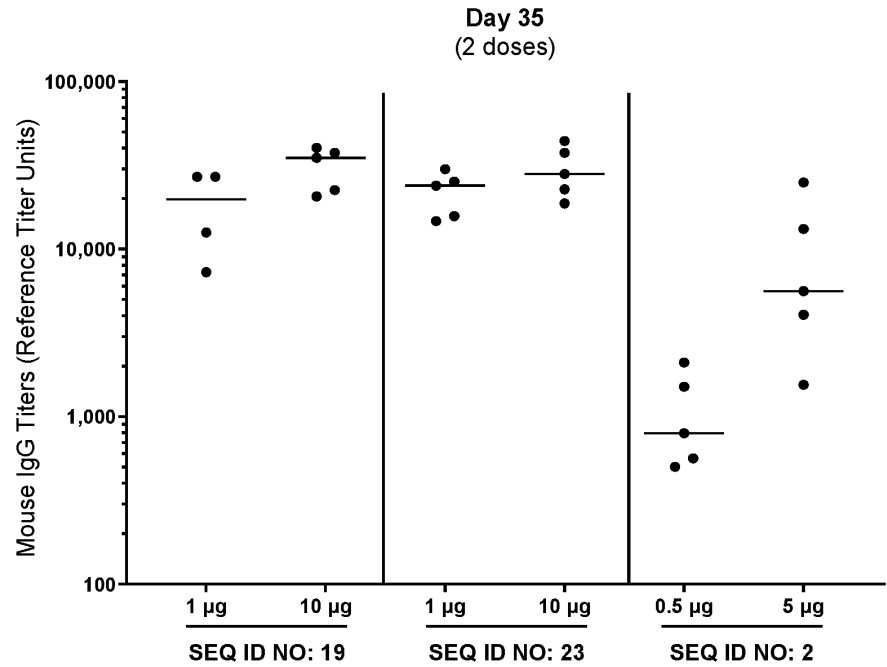


FIG. 52

52/80

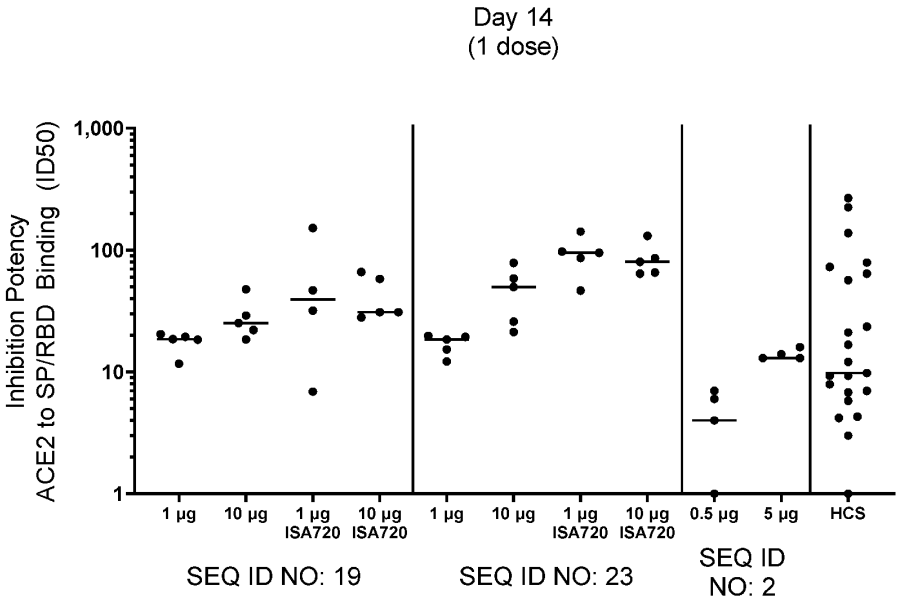


FIG. 53

53/80

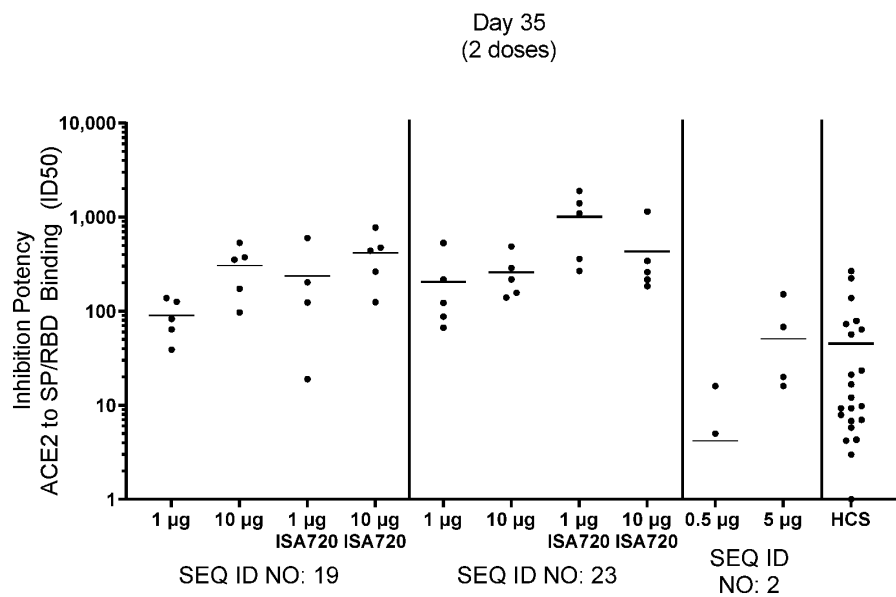


FIG. 54

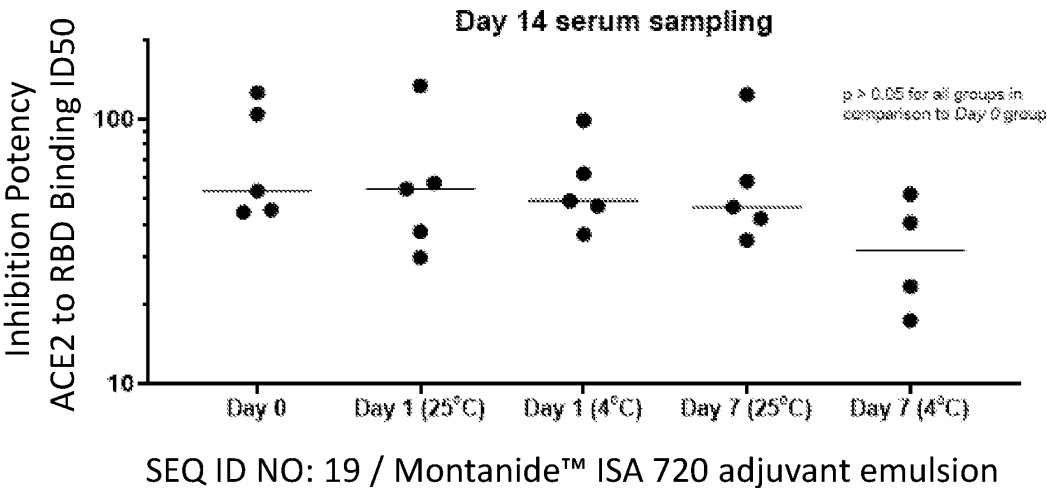


FIG. 55

55/80

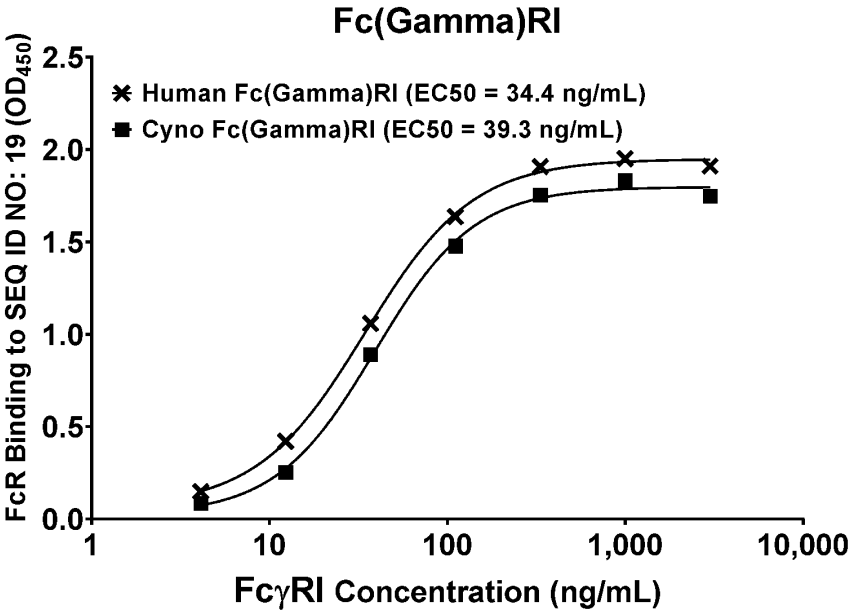


FIG. 56

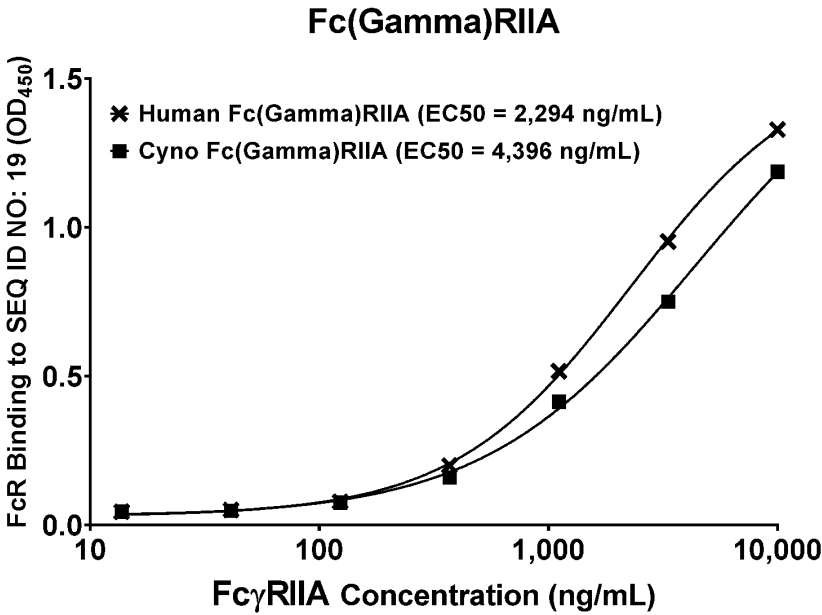


FIG. 57

57/80

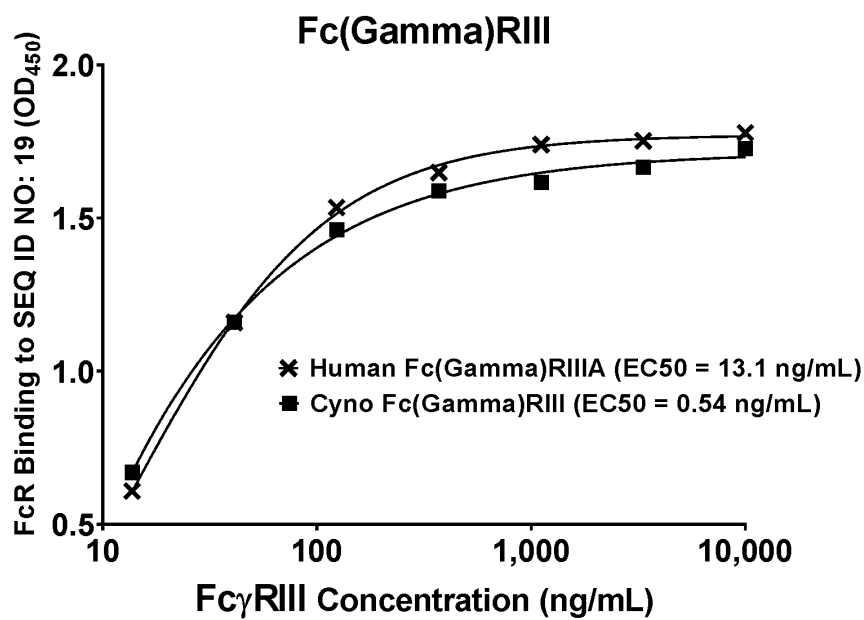


FIG. 58

58/80

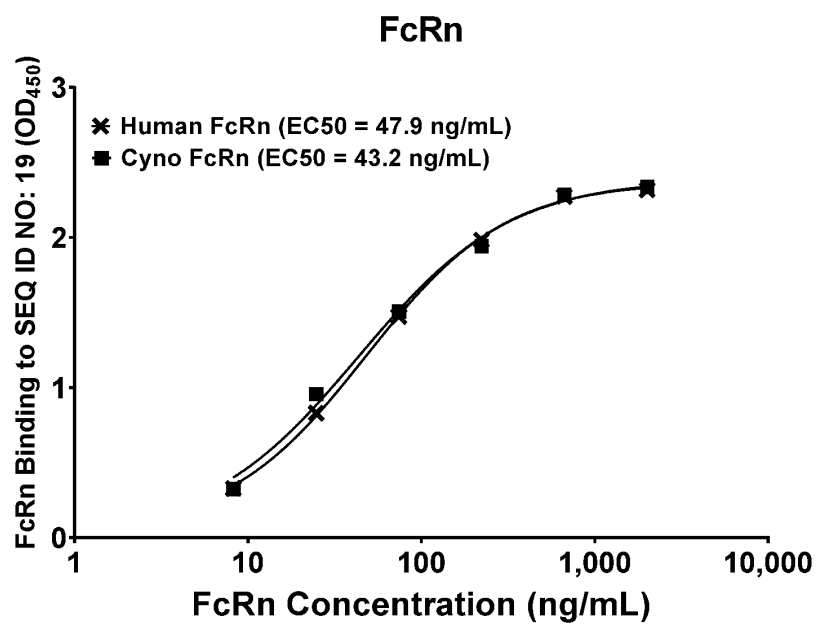


FIG. 59

59/80

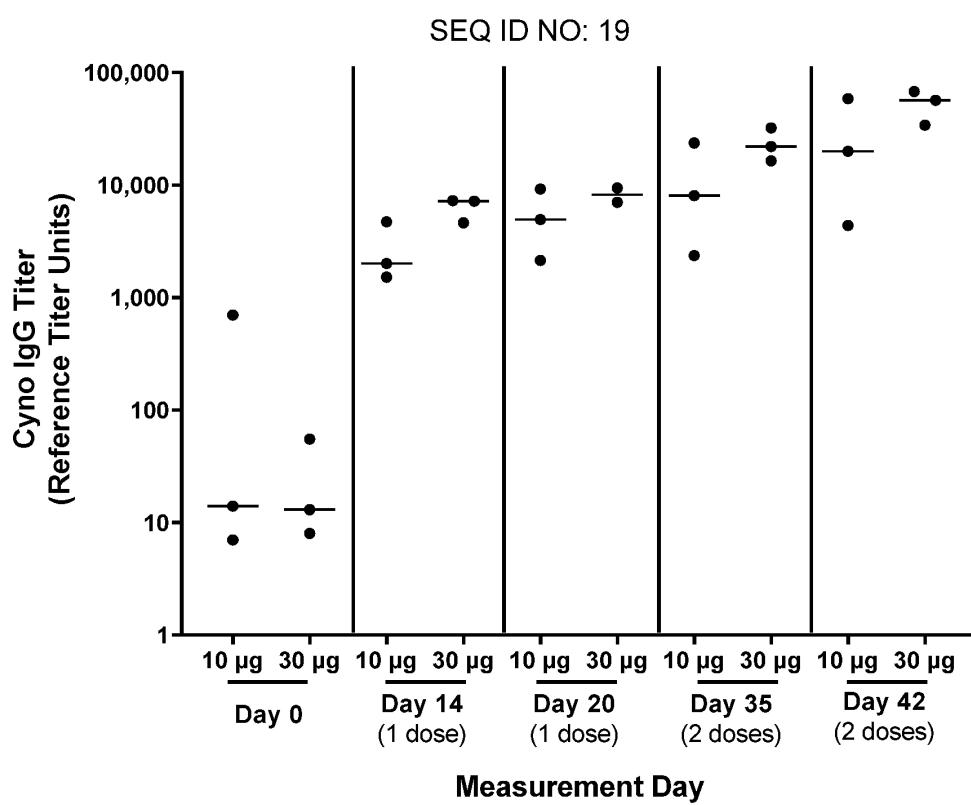


FIG. 60

60/80

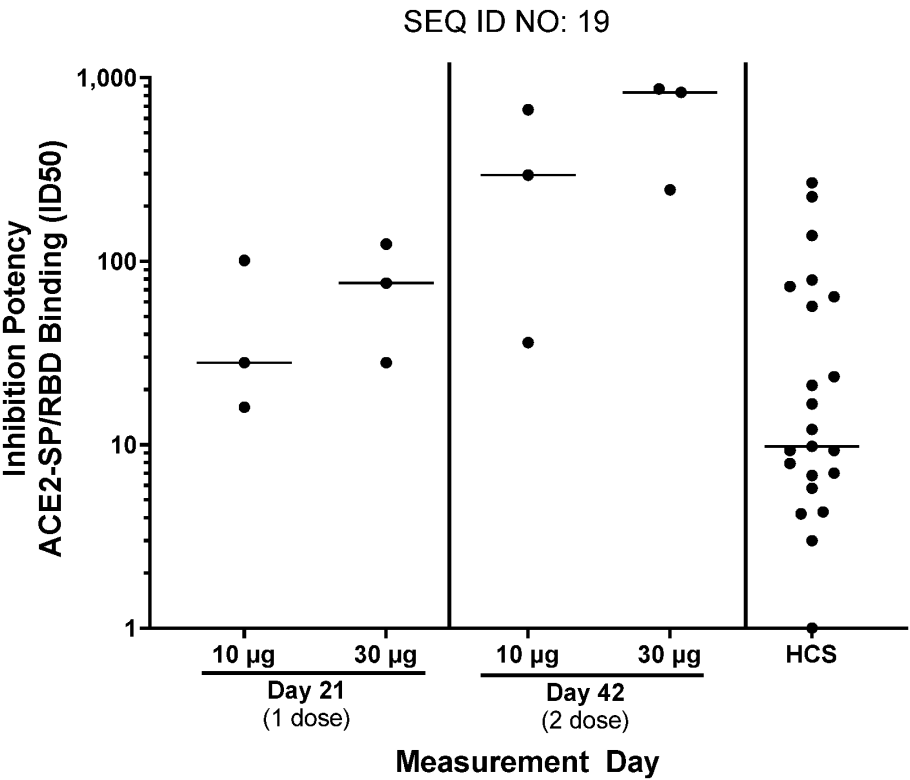


FIG. 61

61/80

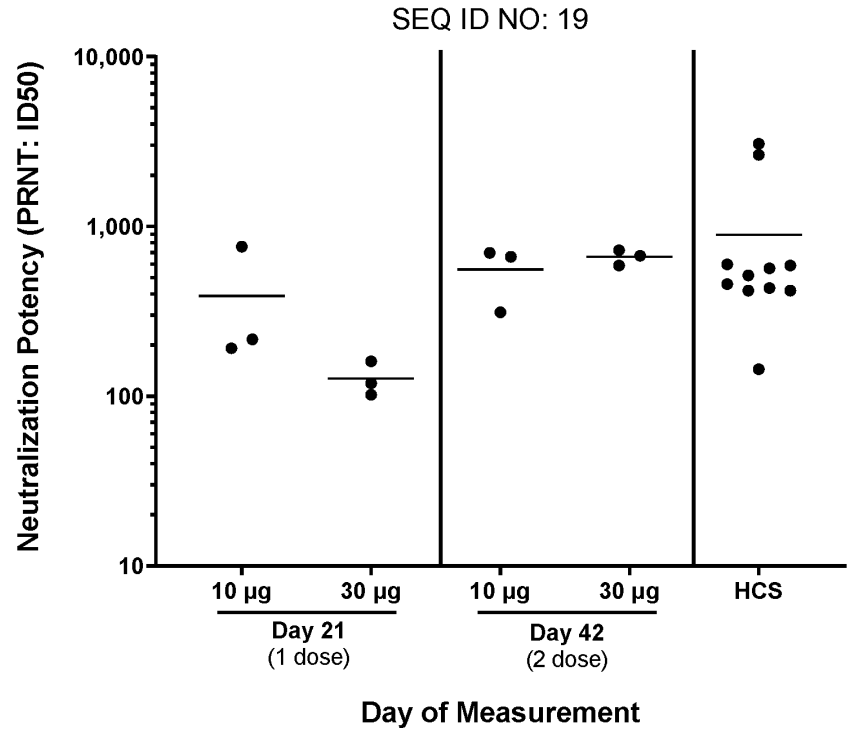


FIG. 62

62/80

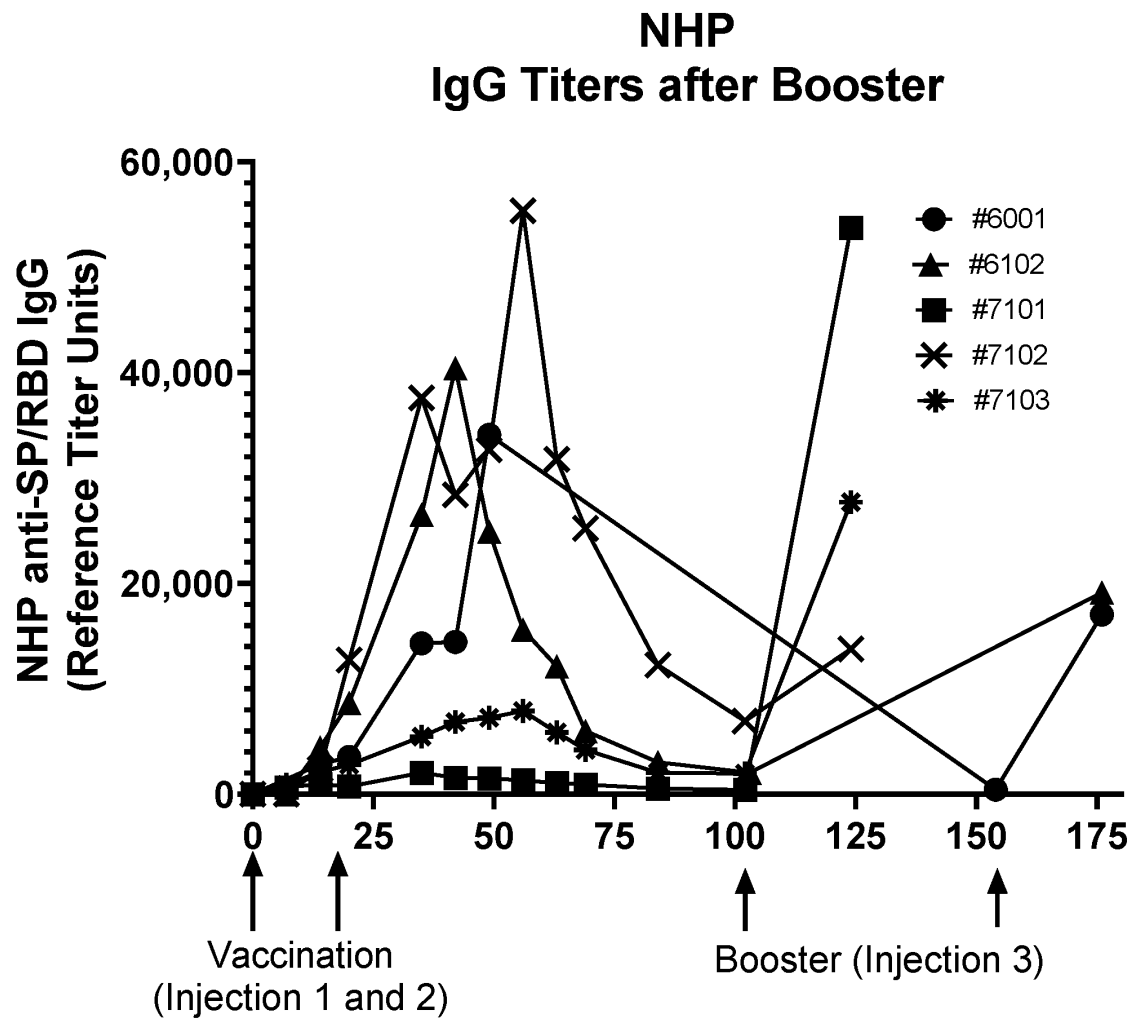


FIG. 63

63/80

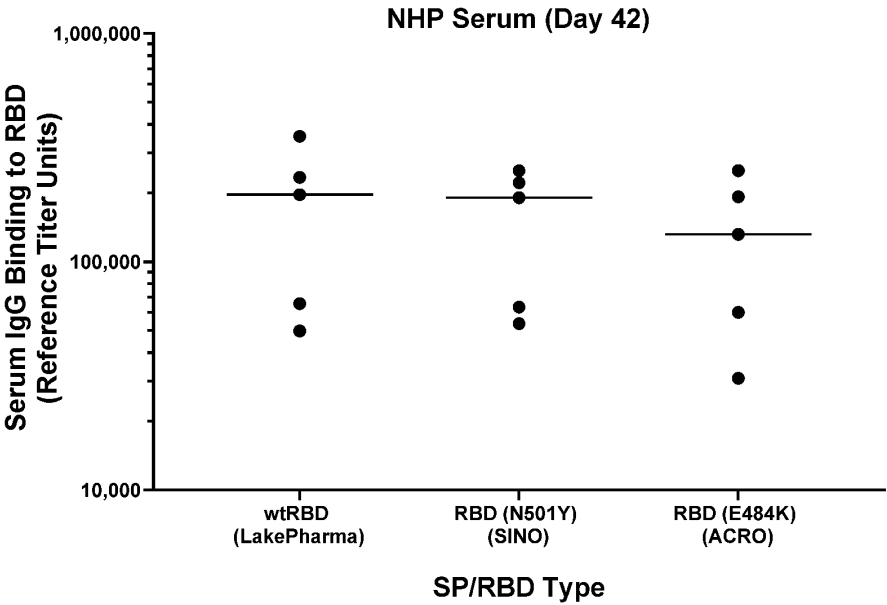


FIG. 64

64/80

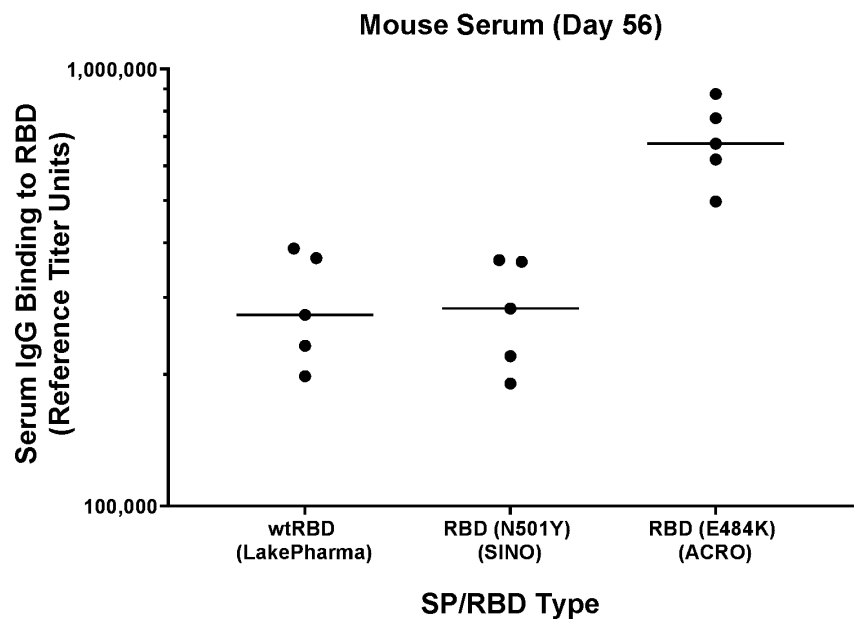


FIG. 65

65/80

SEQ ID NO: 2	PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFKCYGVSP TKLND	60
SEQ ID NO: 24	PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFKCYGVSP TKLND	60
SEQ ID NO: 25	PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFKCYGVSP TKLND	60

SEQ ID NO: 2	LCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGGNY	120
SEQ ID NO: 24	LCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGGNY	120
SEQ ID NO: 25	LCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGGNY	120

SEQ ID NO: 2	NYLYRLFRKSNLKPFFERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYR	180
SEQ ID NO: 24	NYLYRLFRKSNLKPFFERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYR	180
SEQ ID NO: 25	NYLYRLFRKSNLKPFFERDISTEIYQAGSTPCNGVKGFNCYFPLQSYGFQPTNGVGYQPYR	180
	*****: *****	
SEQ ID NO: 2	VVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKKFLPFQQFGRDI	240
SEQ ID NO: 24	VVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKKFLPFQQFGRDI	240
SEQ ID NO: 25	VVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKKFLPFQQFGRDI	240

SEQ ID NO: 2	ADTTDAVRDPQTLE	254
SEQ ID NO: 24	ADTTDAVRDPQTLE	254
SEQ ID NO: 25	ADTTDAVRDPQTLE	254

FIG. 66

66/80

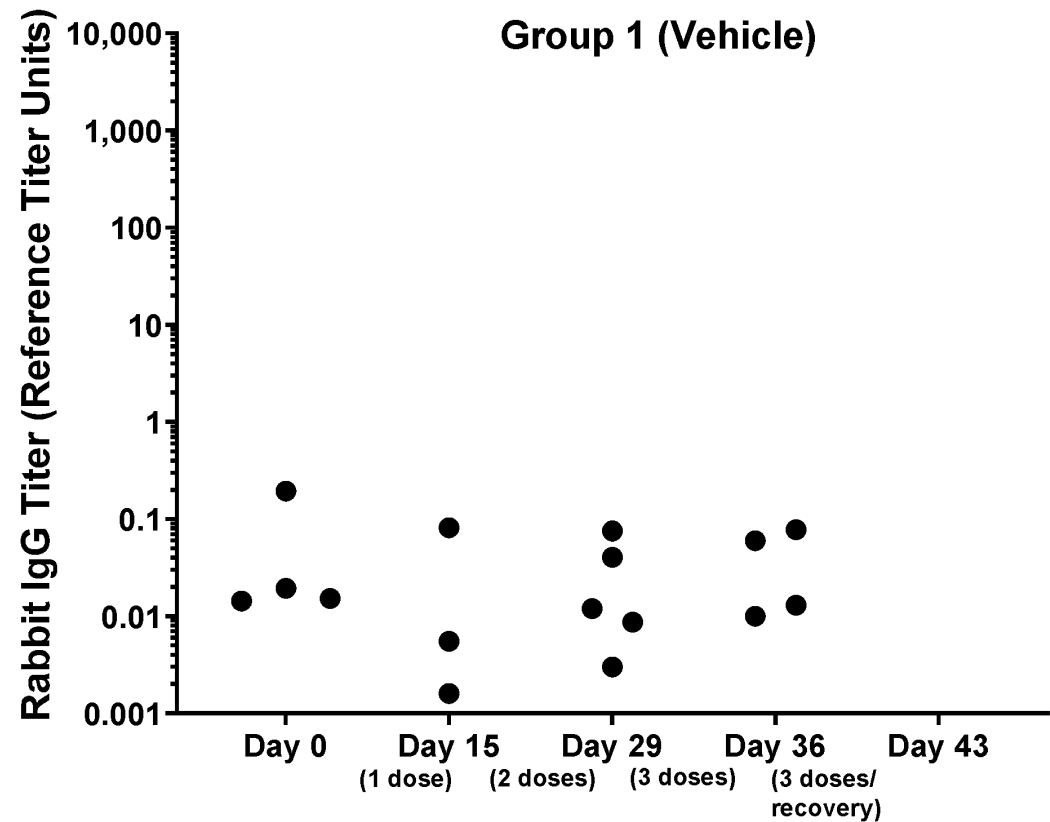


FIG. 67

67/80

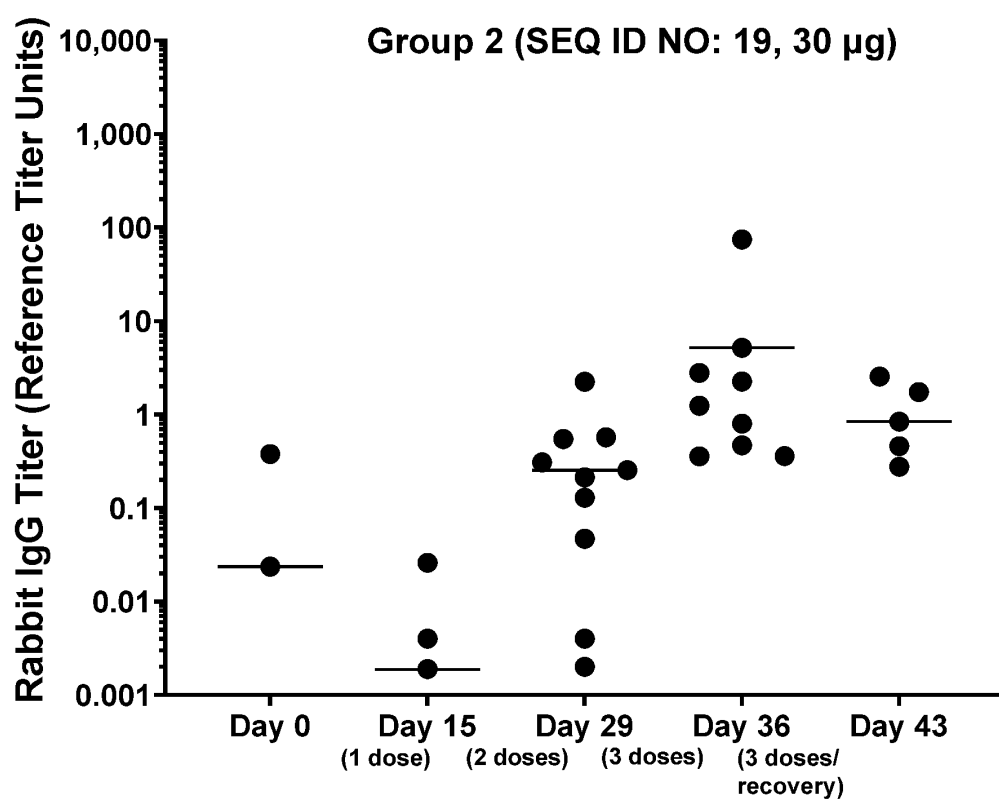


FIG. 68

68/80

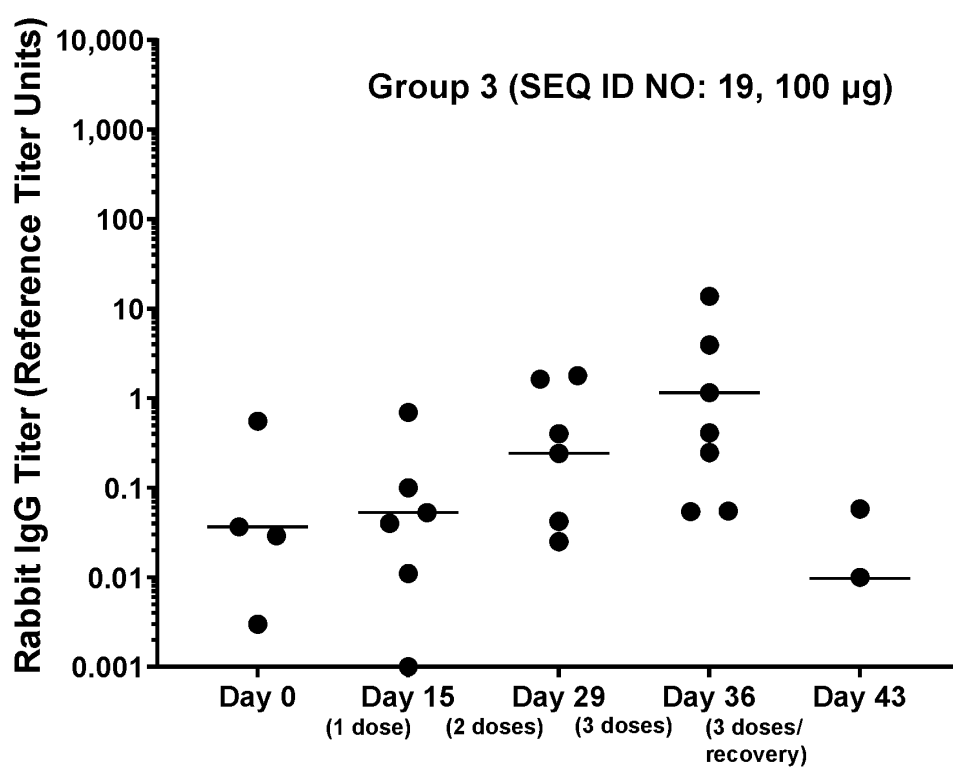


FIG. 69

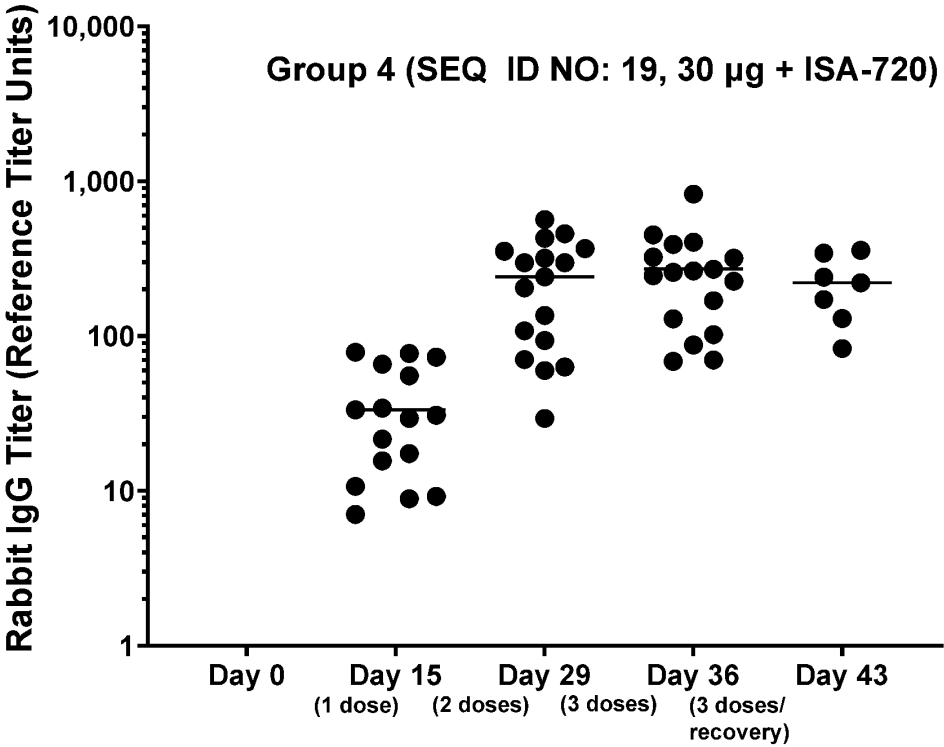


FIG. 70

70/80

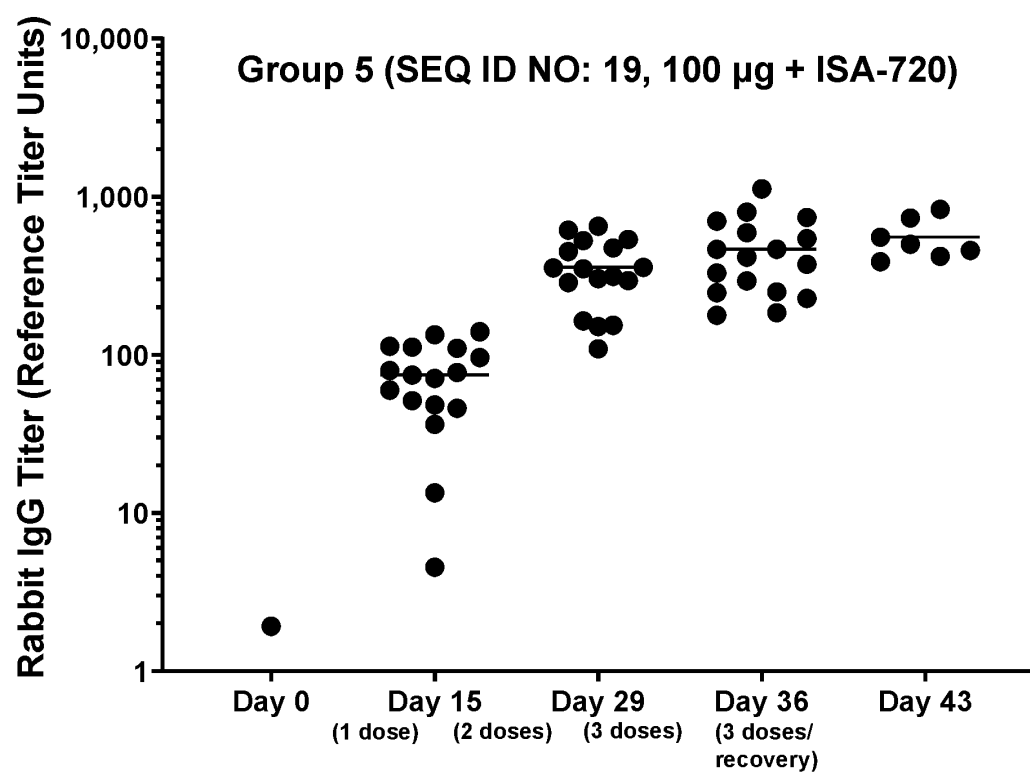


FIG. 71

71/80

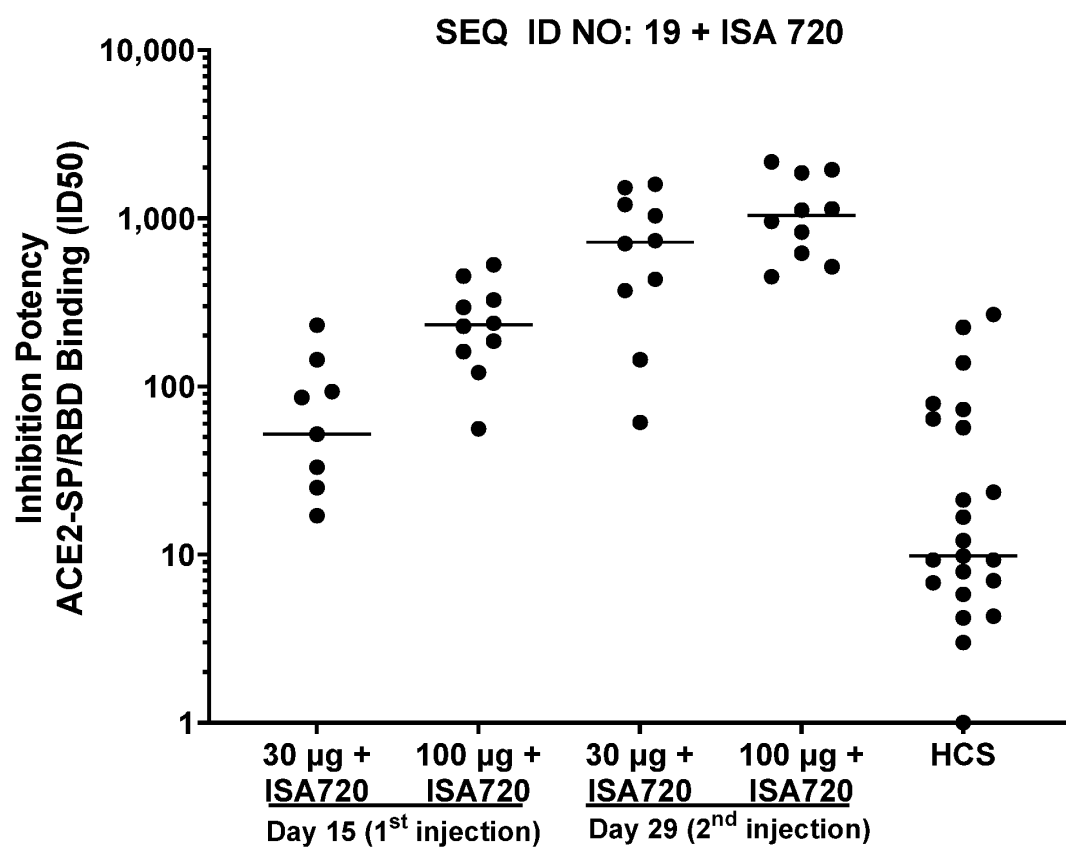


FIG. 72

72/80

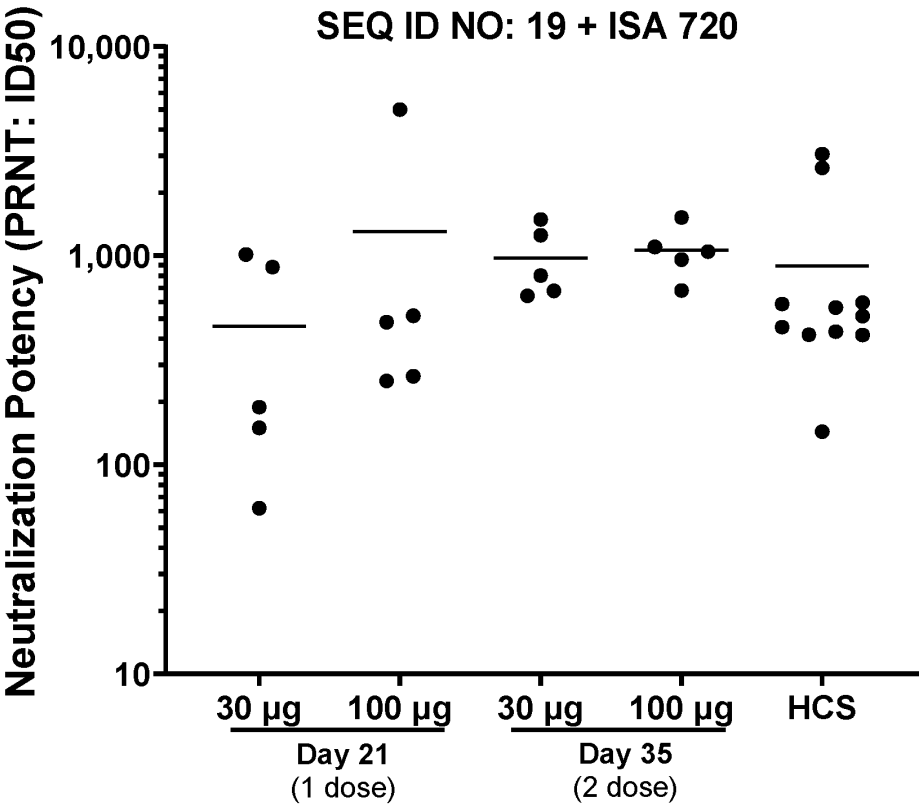


FIG. 73

73/80

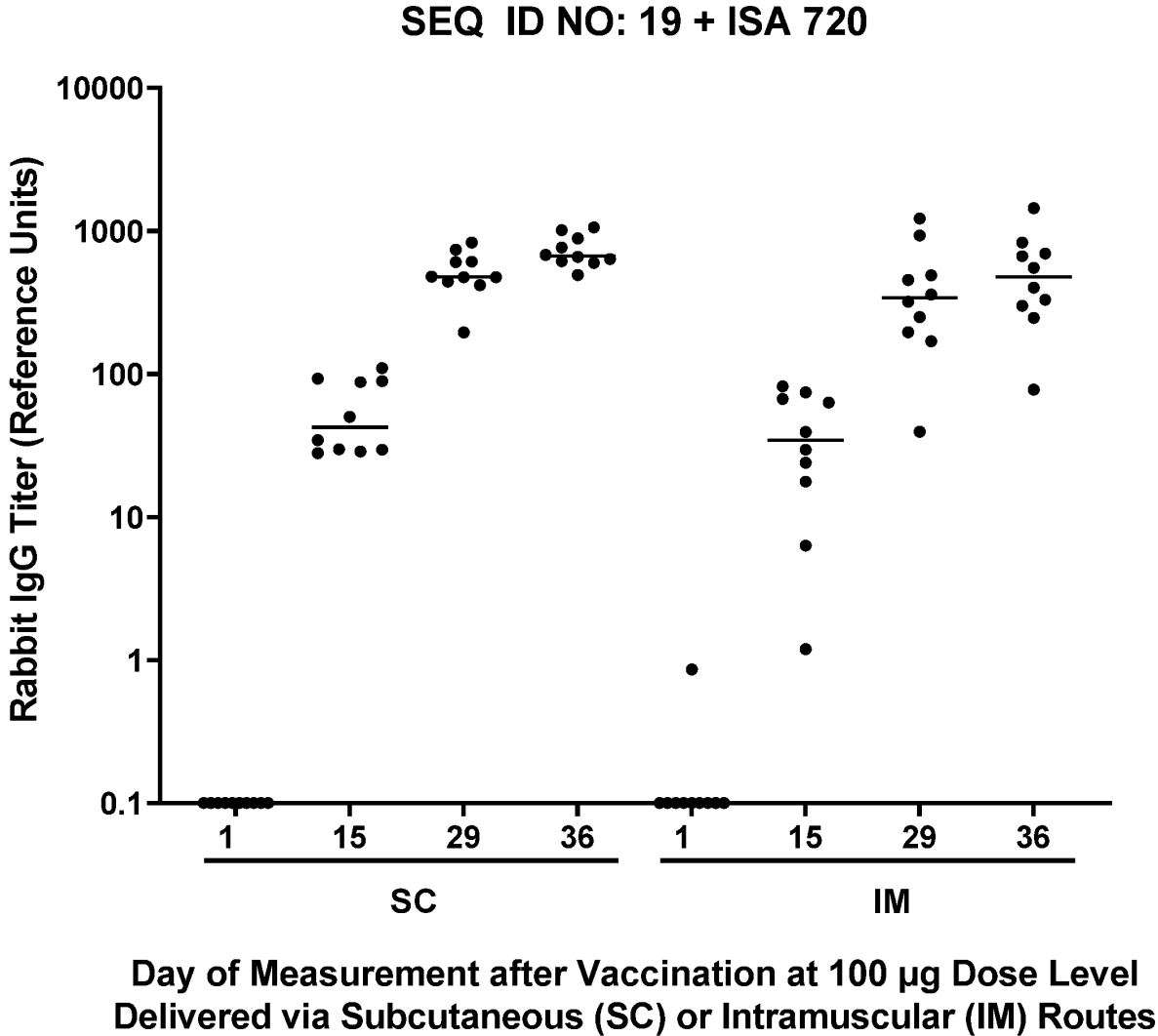


FIG. 74

74/80

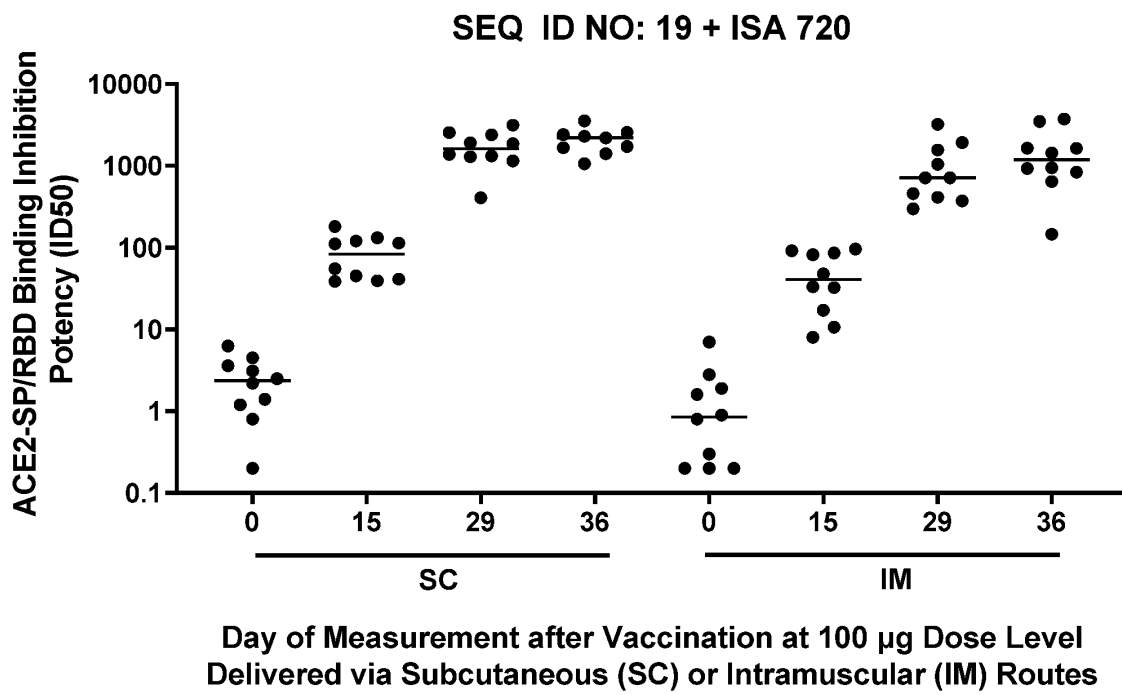


FIG. 75

75/80

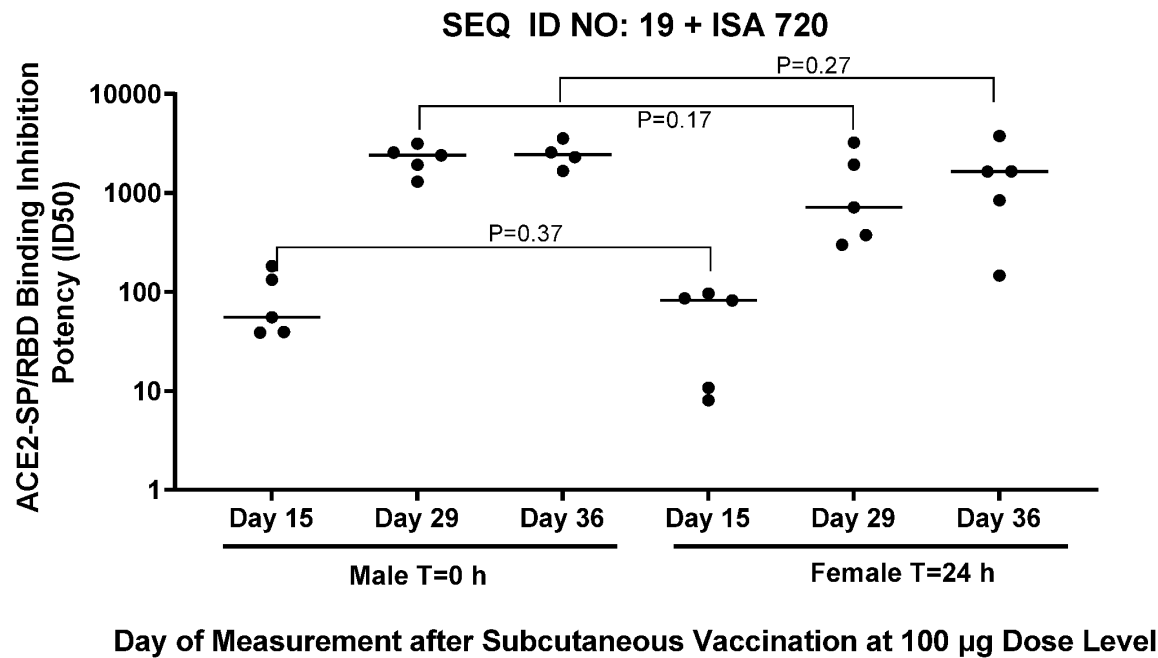


FIG. 76

76/80

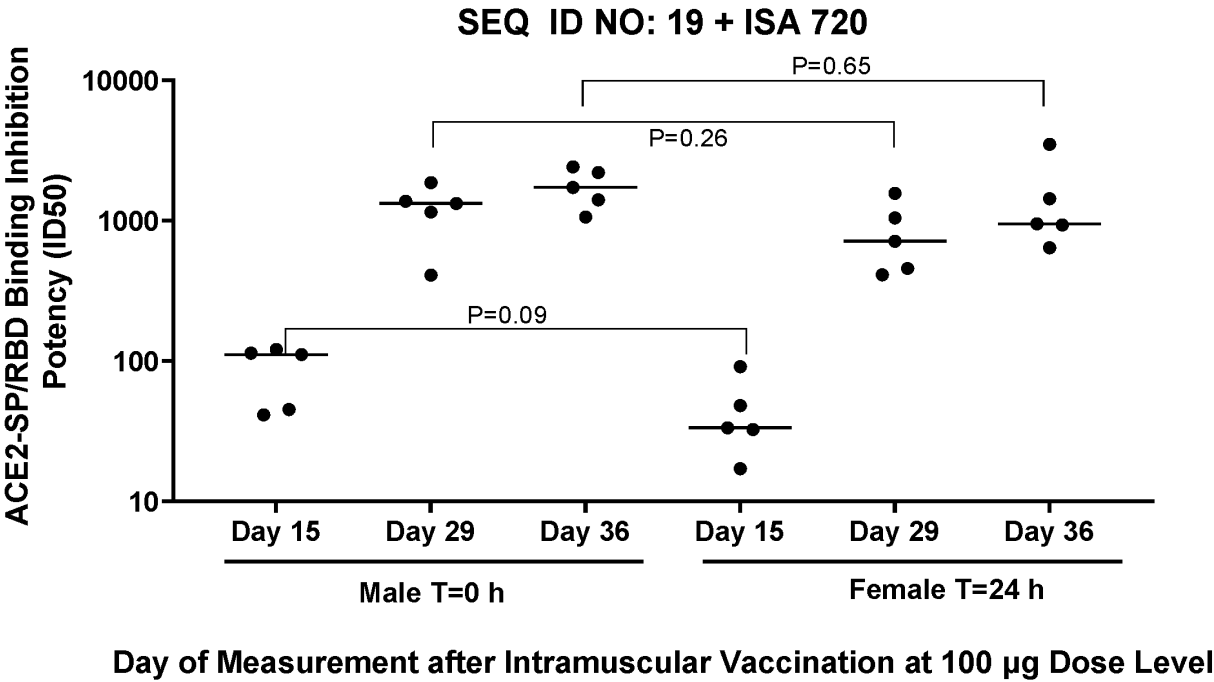


FIG. 77

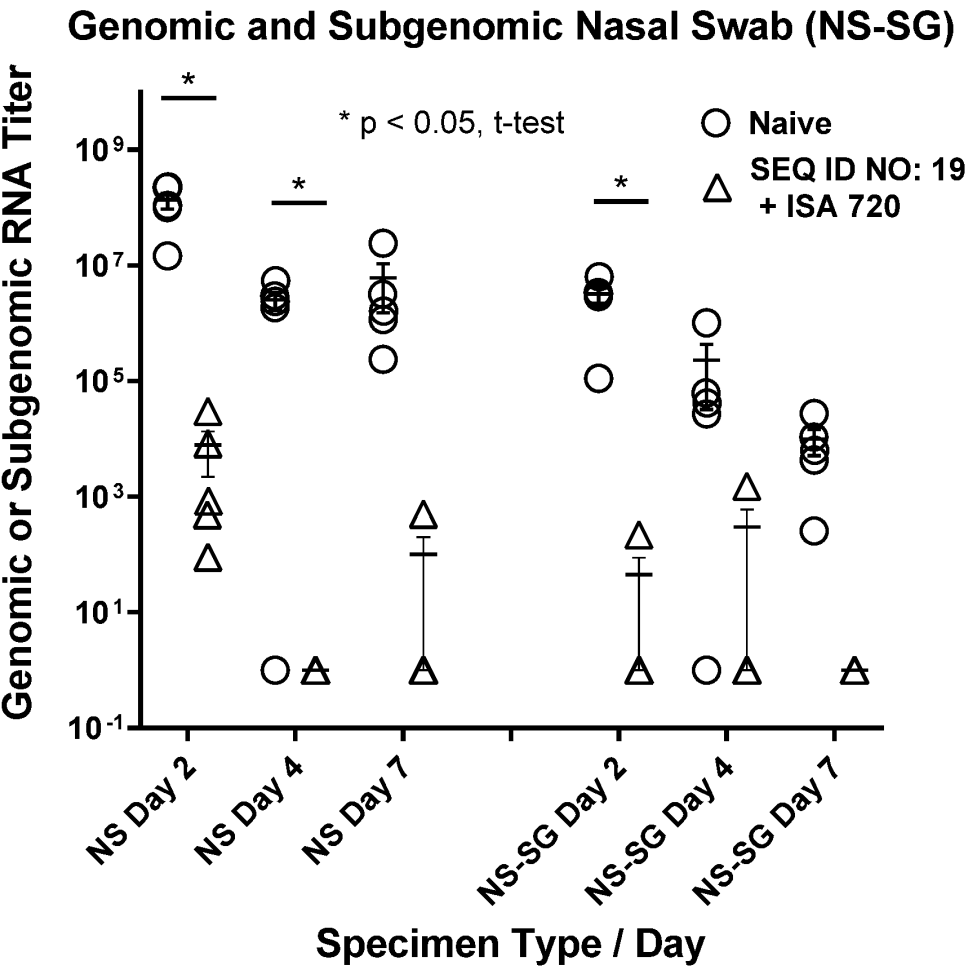


FIG. 78

Genomic and Subgenomic Bronchoalveolar lavage (BAL) Fluids

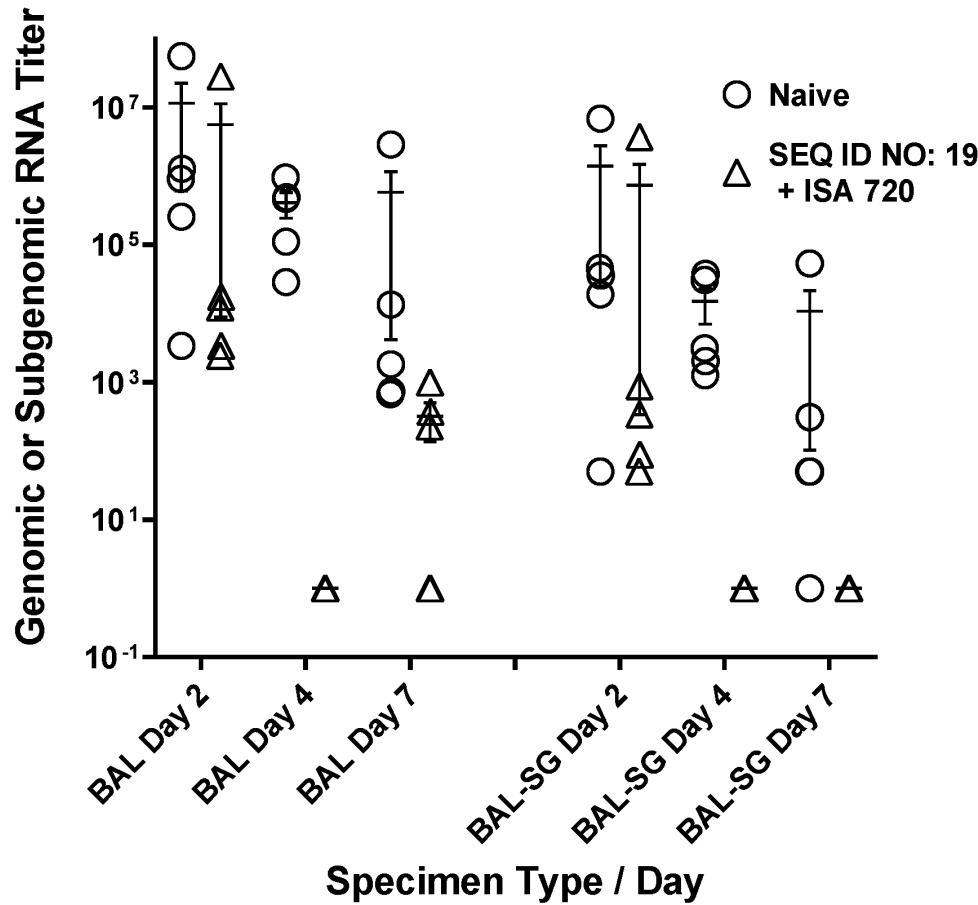


FIG. 79

79/80

SEQ ID NO: 8	-----NITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFK	48
SEQ ID NO: 9	-----QITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFK	48
SEQ ID NO: 10	-----	0
SEQ ID NO: 14	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFK	60
SEQ ID NO: 15	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFK	60
SEQ ID NO: 8	CYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKL PDDFTGCVIAWNS	108
SEQ ID NO: 9	CYGVSP TKLNDLMFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKL PDDFTGCVIAWNS	108
SEQ ID NO: 10	-----VIAWNS	6
SEQ ID NO: 14	CYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKL PDDFTGCVIAWNS	120
SEQ ID NO: 15	CYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKL PDDFTGCVIAWNS	120

SEQ ID NO: 8	NNLDSKVGGN YNYL RLF RKS NLK PFERDISTE IYQAGSTPCNGVEGFNCYFPLQSYGFQ	168
SEQ ID NO: 9	NNLDSKVGGN YNYL RLF RKS NLK PFERDISTE IYQAGSTPCNGVEGFNCYFPLQSYGFQ	168
SEQ ID NO: 10	NNLDSKVGGN YNYL RLF RKS NLK PFERDISTE IYQAGSTPCNGVEGFNCYFPLQSYGFQ	66
SEQ ID NO: 14	NNLDSKVGGN YNYL RLF RKS NLK PFERDISTE IYQAGSTPCNGVEGFNCYFPLQSYGFQ	180
SEQ ID NO: 15	NNLDSKVGGN YNYL RLF RKS NLK PFERDISTE IYQAGSTPCNGVEGFNCYFPLQSYGFQ	180

SEQ ID NO: 8	PTNGVG YQPYRVVLSFELLHAPATV-----194	
SEQ ID NO: 9	PTNGVG YQPYRVVLSFELLHAPATV-----194	
SEQ ID NO: 10	PTNGVG YQPYRVVLSFELLHAPATV-----92	
SEQ ID NO: 14	PTNGVG YQPYRVVLSFELLHAPATVCGPKKSTNLVKNCVNF223	
SEQ ID NO: 15	PTNGVG YQPYRVVLSFELLHAPATVCGPKKSTNLVK-----217	

FIG. 80

80/80

	Calibrator IgG Standards		Sample and Assay Controls Area									
	1	2	3	4	5	6	7	8	9	10	11	12
A	Std 1 		Assay Control 1 		ID:		ID:		ID:		ID:	
B	Std 2 		Assay Control 2 		ID:		ID:		ID:		ID:	
C	Std 3 		ID:		ID:		ID:		ID:		ID:	
D	Std 4 		ID:		ID:		ID:		ID:		ID:	
E	Std 5 		ID:		ID:		ID:		ID:		ID:	
F	Std 6 		ID:		ID:		ID:		ID:		ID:	
G	Std 7 		ID:		ID:		ID:		ID:		ID:	
H	Std 8 		ID:		ID:		ID:		ID:		ID:	

FIG. 81