

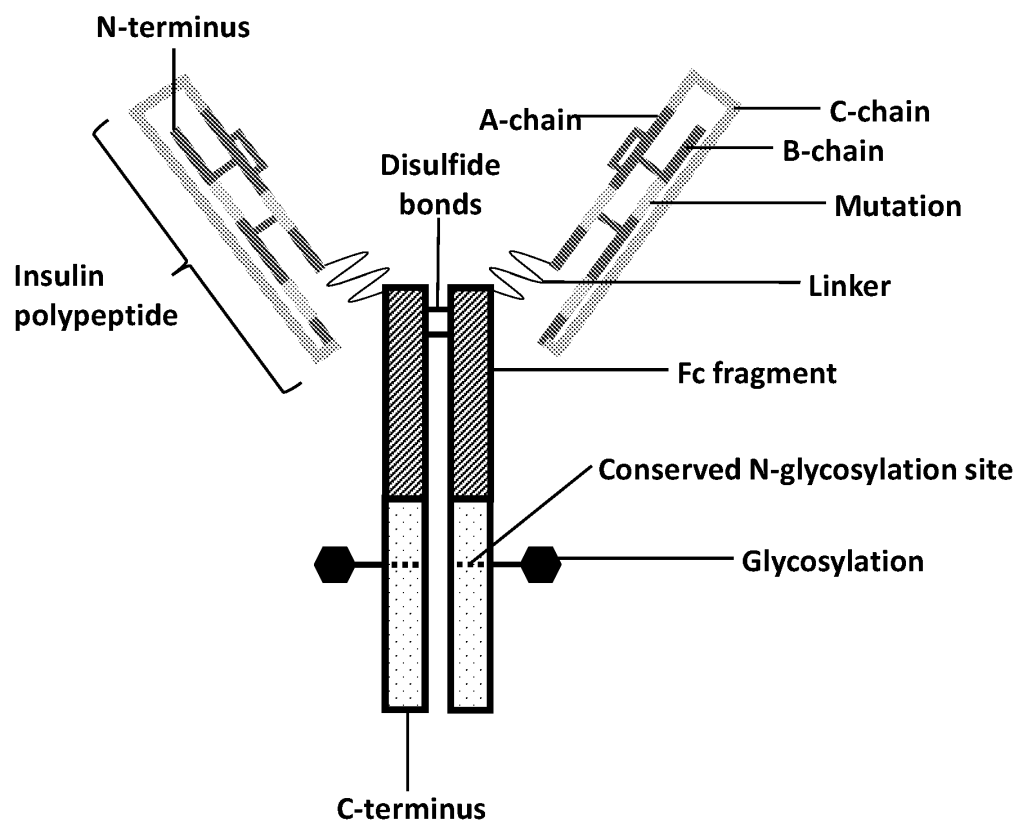


FIG. 1

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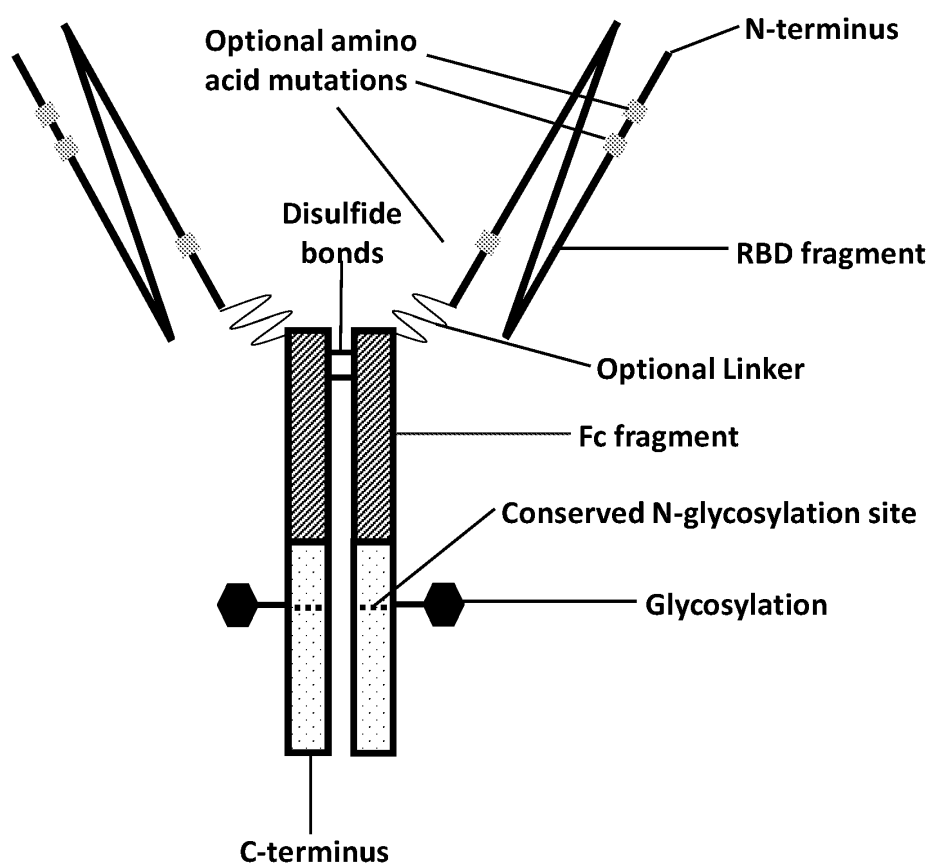


FIG. 2

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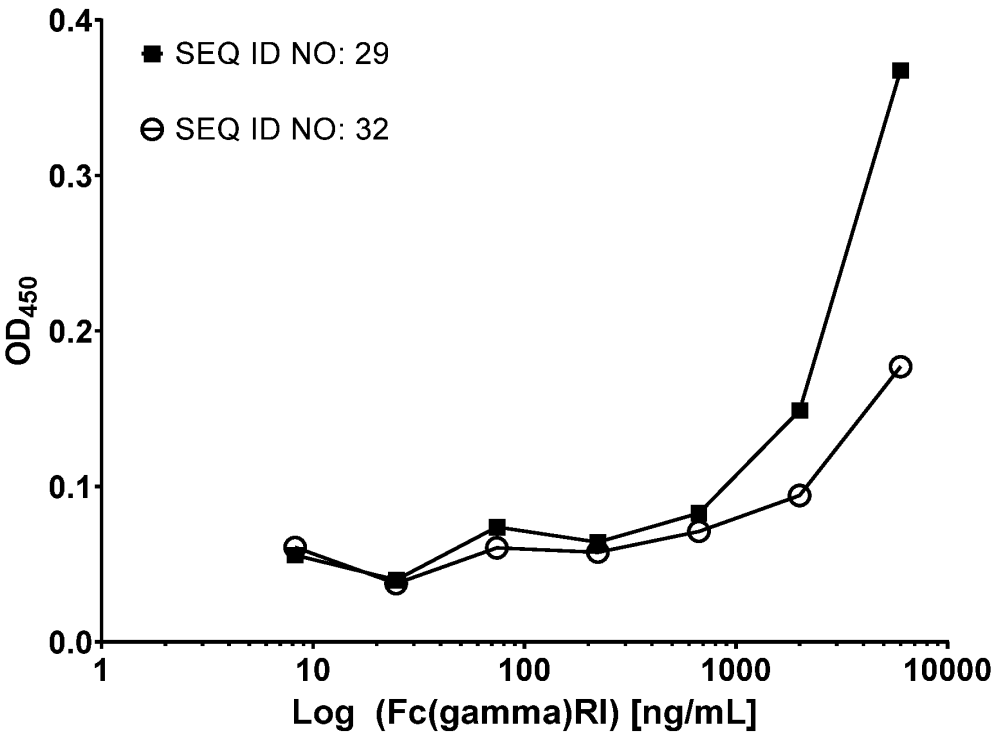


FIG. 3

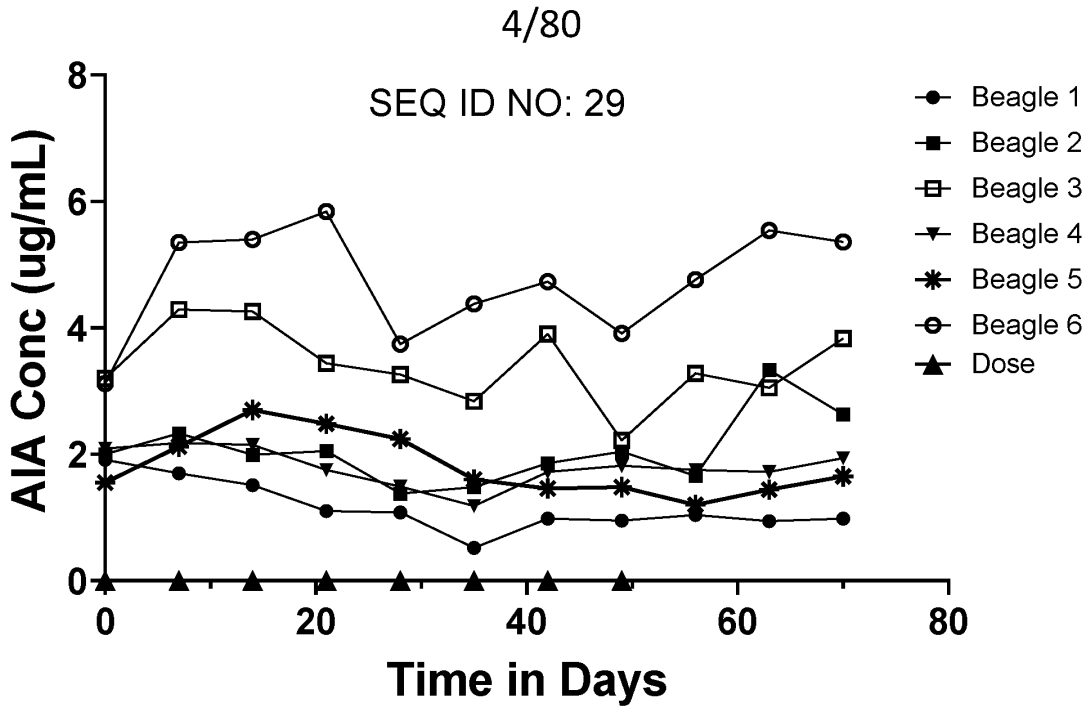


FIG. 4

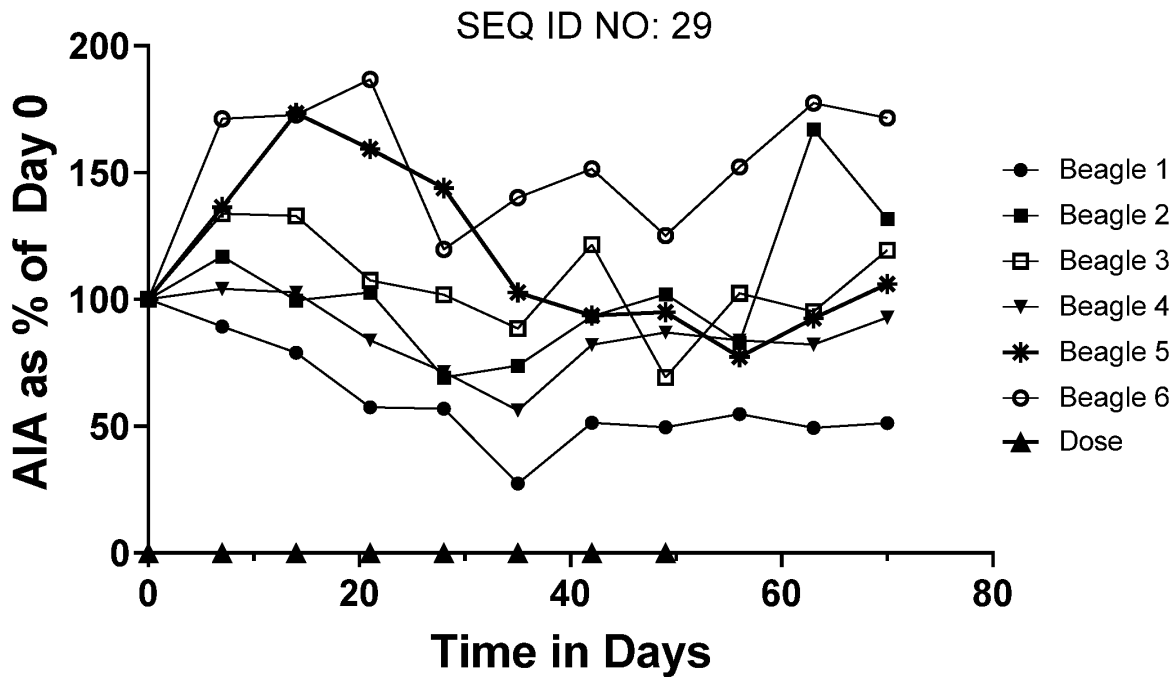


FIG. 5

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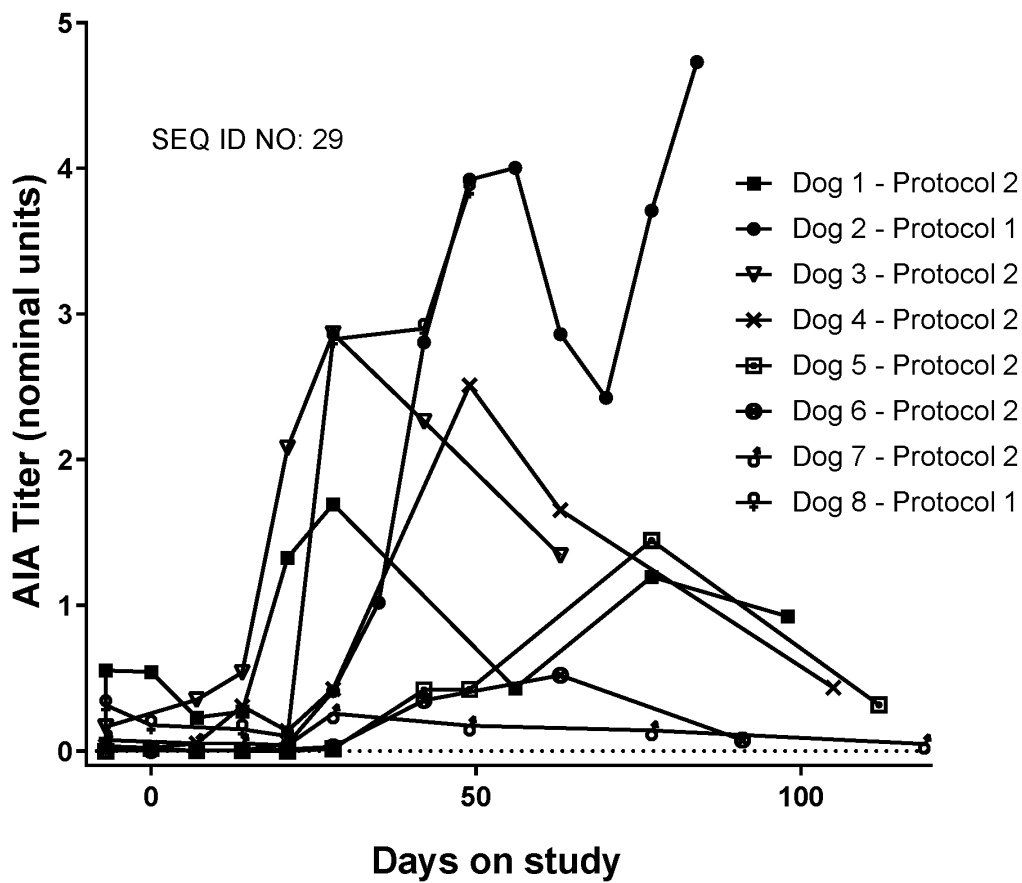


FIG. 6

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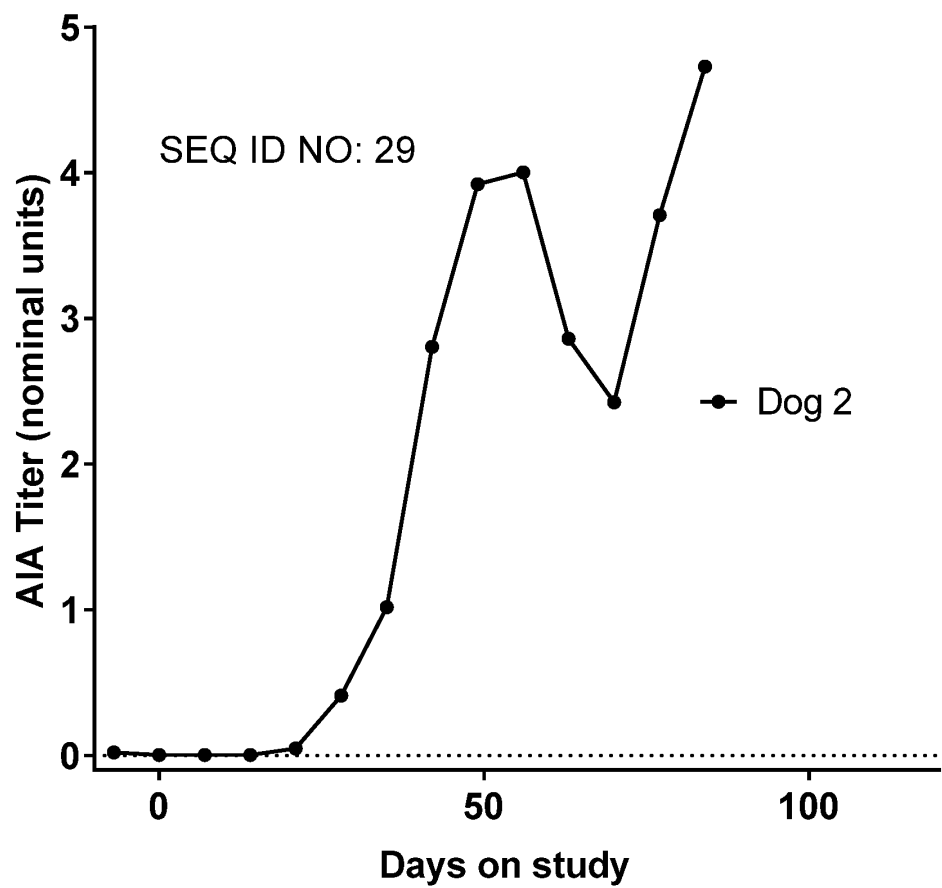


FIG. 7

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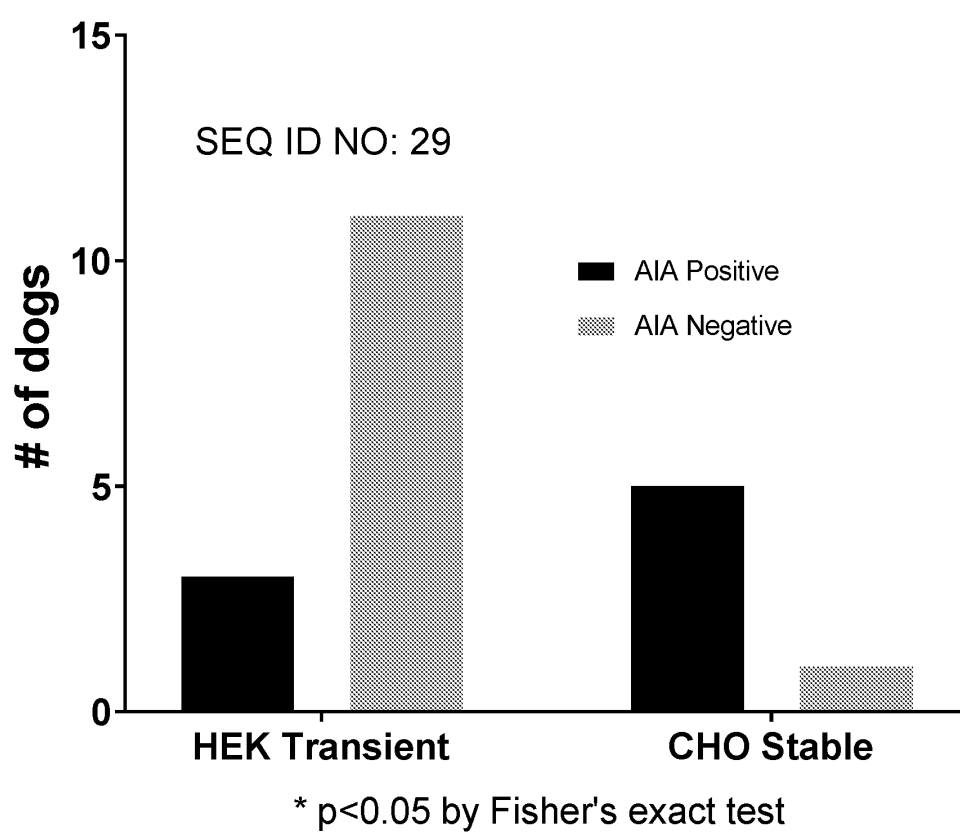


FIG. 8

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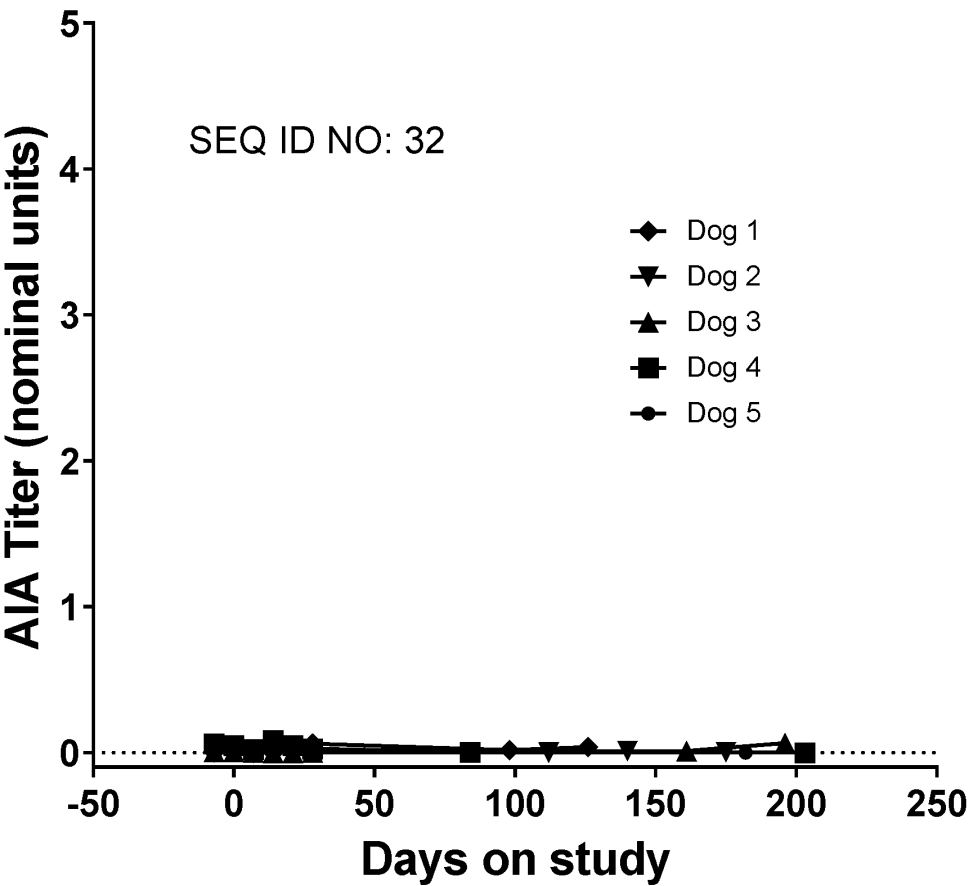


FIG. 9

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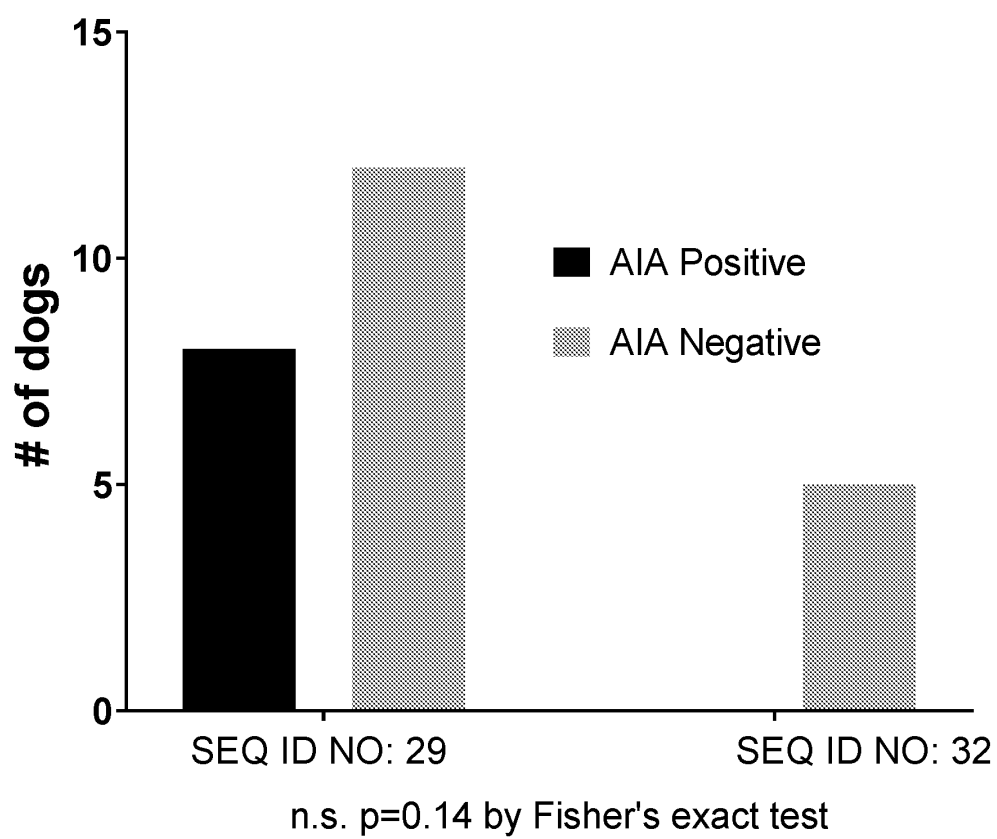


FIG. 10

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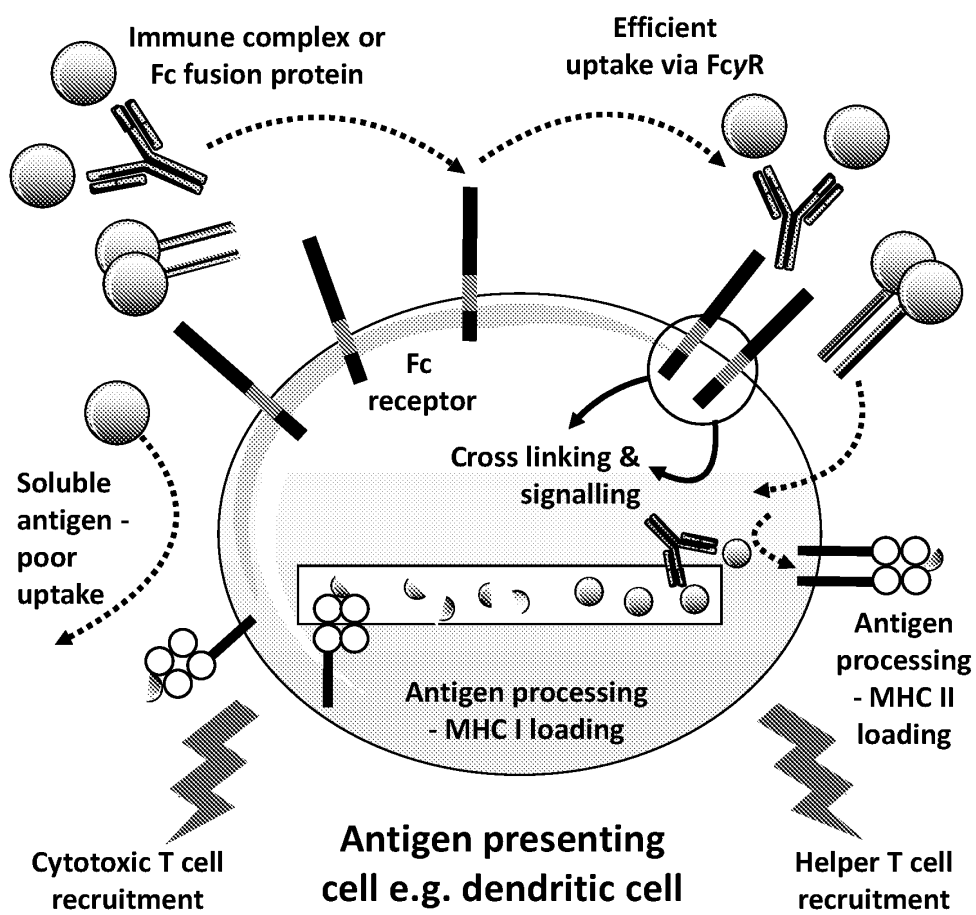


FIG. 11

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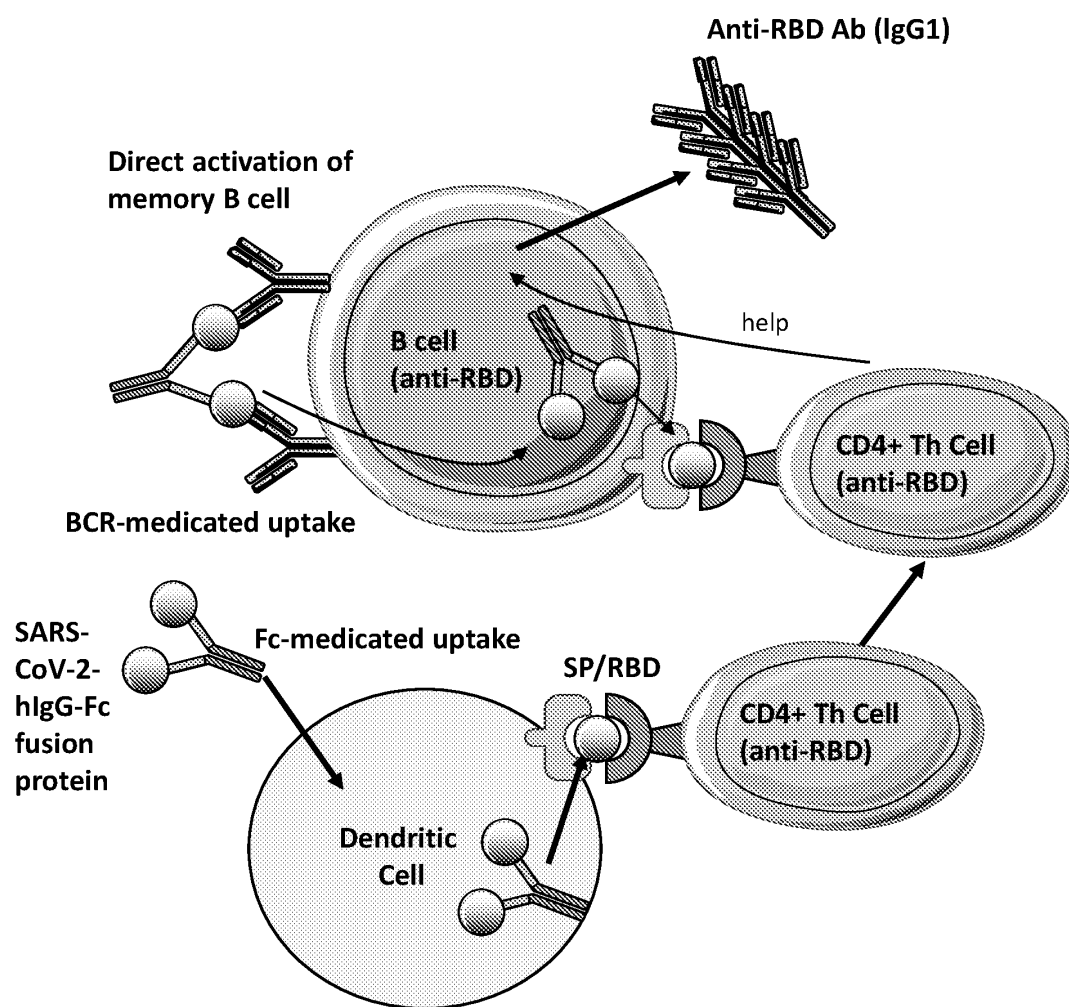


FIG. 12

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SEQ ID NO: 2	PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLNSASFSTFKCYGVSP TKLND	60
SEQ ID NO: 9	-QITNLCPFGEVFQATRFASVYAWNRRKRISNCVADYSVLNSASFSTFKCYGVSP TKLND : *****: *****	59
SEQ ID NO: 2	LCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVG GNY	120
SEQ ID NO: 9	LMFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVG GNY * *****	119
SEQ ID NO: 2	NYLYRLFRKSNLKPFERDISTEIIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQP YR	180
SEQ ID NO: 9	NYLYRLFRKSNLKPFERDISTEIIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQP YR *****	179
SEQ ID NO: 2	VVVL SFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTGVLTESNKKFLPFQQFGRDI	240
SEQ ID NO: 9	VVVL SFELLHAPATV----- *****	194
SEQ ID NO: 2	ADTTDAVRDPQTLE	254
SEQ ID NO: 9	-----	194

FIG. 13

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SEQ ID NO:2	PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLYNSASFSTFKCYGVSP 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 FERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYR	180
SEQ ID NO:10	NYLYRLF RKSNLKP FERDISTEIYQAGSTPCNGVEGFNCYFPLQSYGFQPTNGVGYQPYR *****	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

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SEQ ID NO: 2	-----PNITNLCPFGEVFNATRFASVYAWNRRKISNCVADYSVLVNSASFSTFK	49
SEQ ID NO: 14	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKISNCVADYSVLVNSASFSTFK	60

SEQ ID NO: 2	CYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNS	109
SEQ ID NO: 14	CYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNS	120

SEQ ID NO: 2	NNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQ	169
SEQ ID NO: 14	NNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQ	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

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SEQ ID NO:2	-----PNITNLCPFGEVFNATRFASVYAWNRRKISNCVADYSVLYNSASFSTFK	49
SEQ ID NO:15	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKISNCVADYSVLYNSASFSTFK	60

SEQ ID NO:2	CYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNS	109
SEQ ID NO:15	CYGVSP TKLNDLCFTNVYADSFVIRGDEV RQIAPGQTGKIADYNYKLPDDFTGCVIAWNS	120

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

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

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

FIG. 16

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SEQ ID NO:2	-----PNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLNSASFSTFK	49
SEQ ID NO:13	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLNSASFSTFK	60

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

SEQ ID NO:2	NNLDSKVGGNYNLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFFLQSYGFQ	169
SEQ ID NO:13	NNLDSKVGGNYNLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFFLQSYGFQ	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

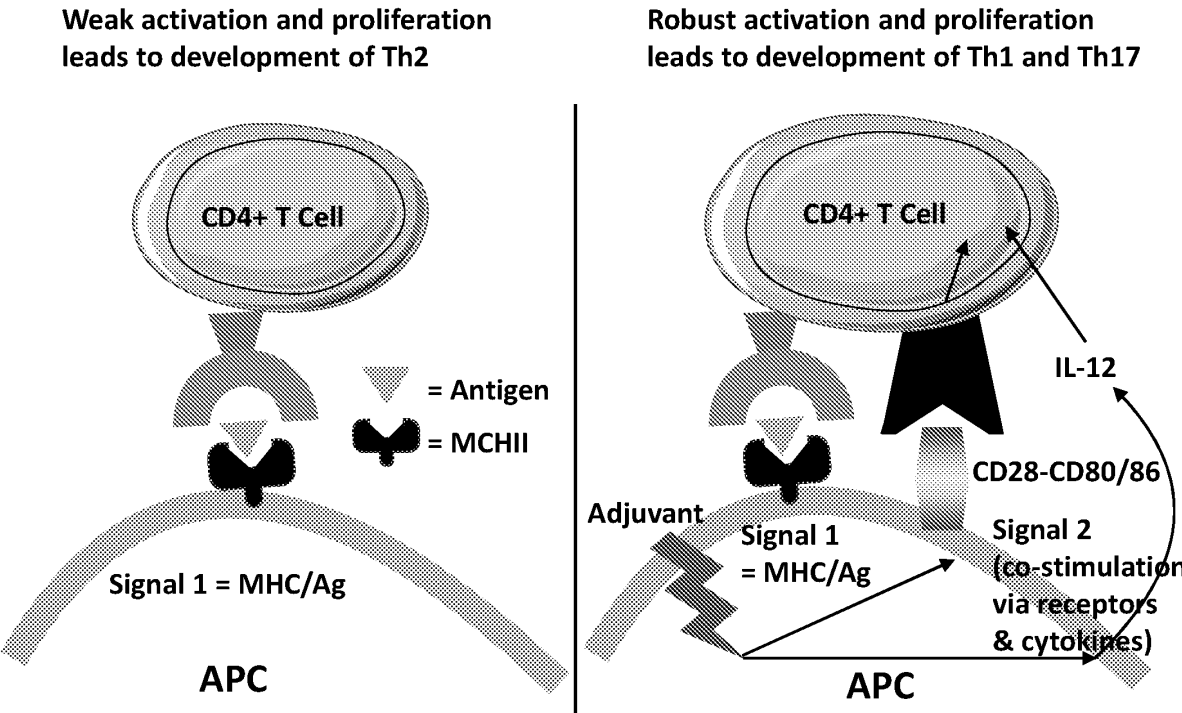


FIG. 18

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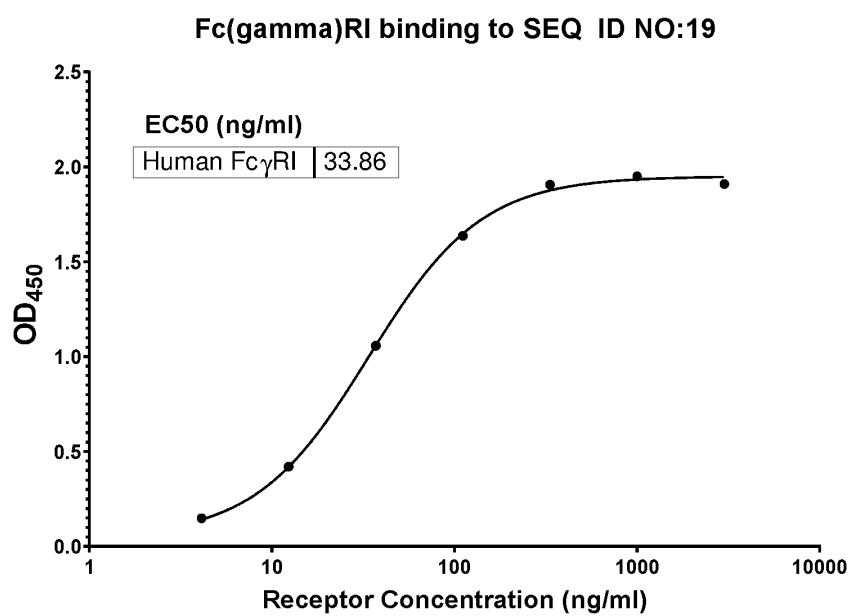


FIG. 19

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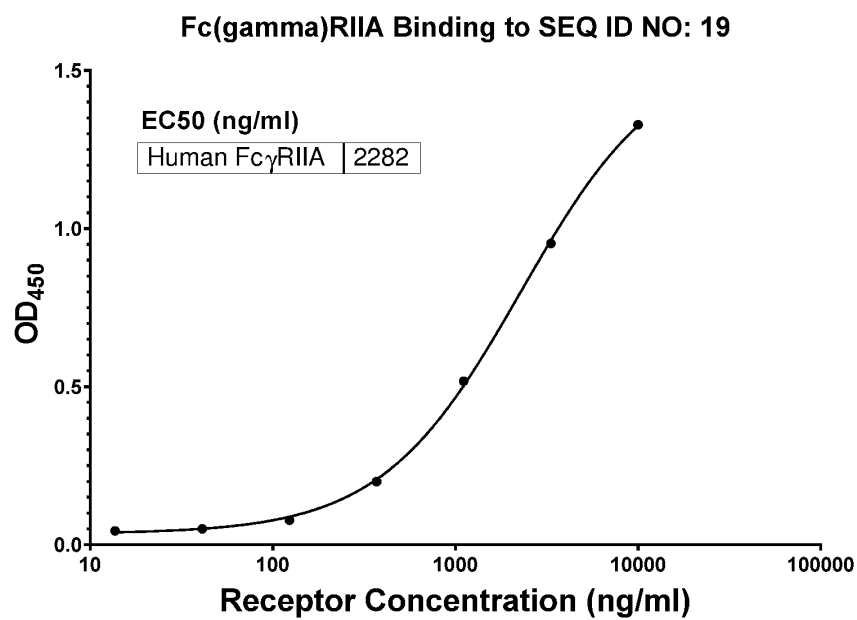


FIG. 20

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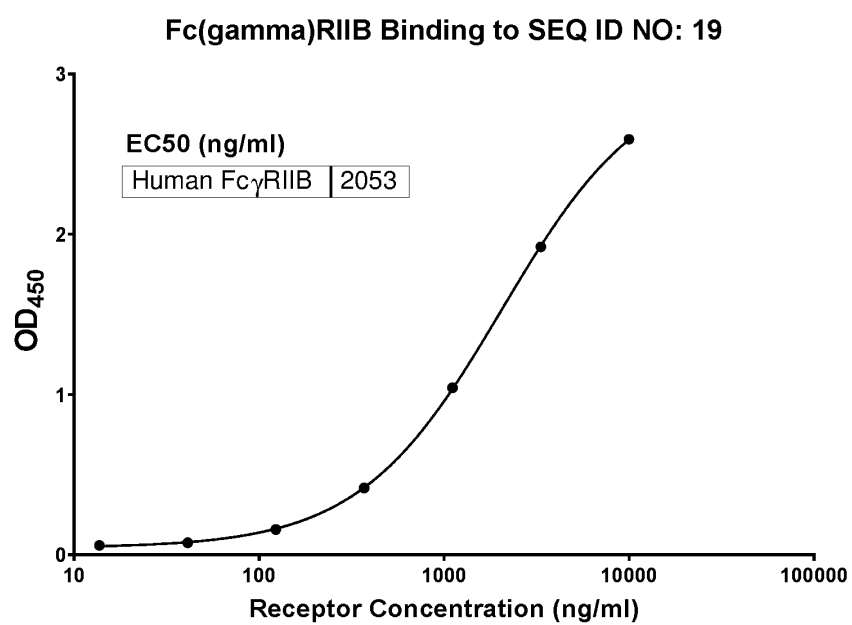


FIG. 21

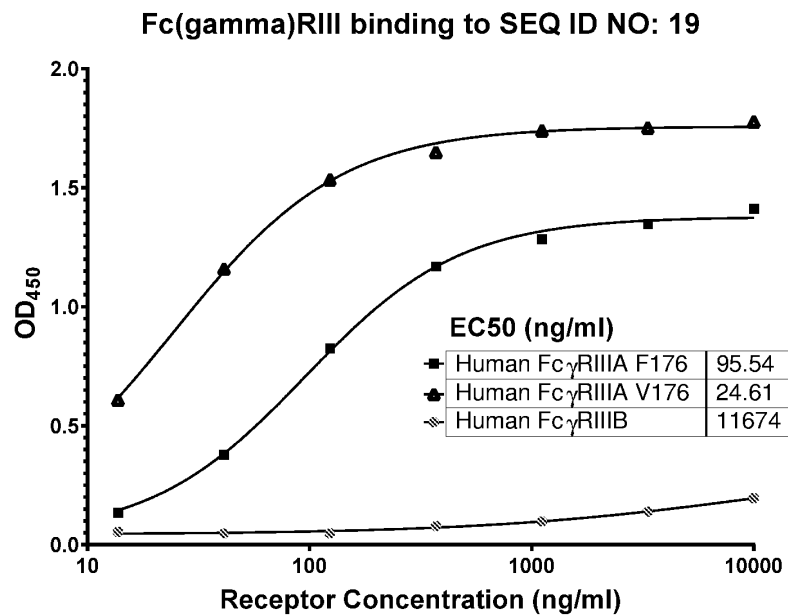


FIG. 22

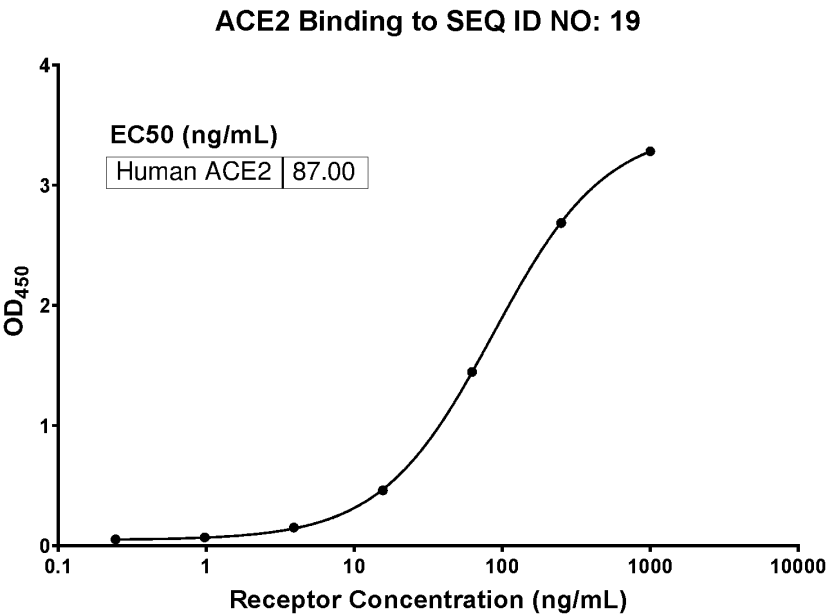


FIG. 23

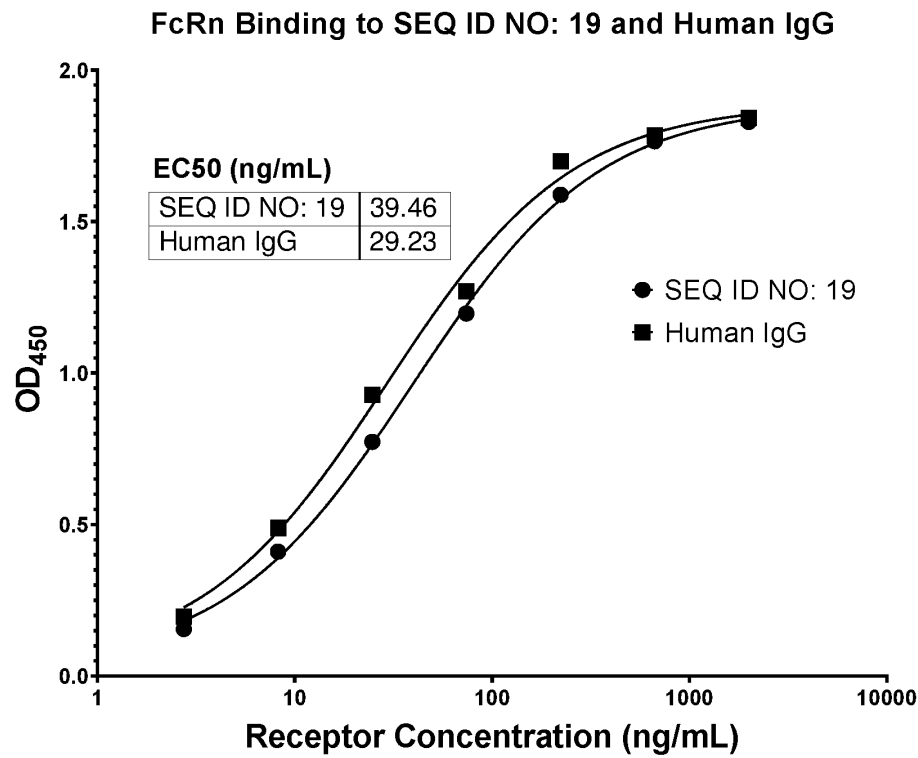


FIG. 24

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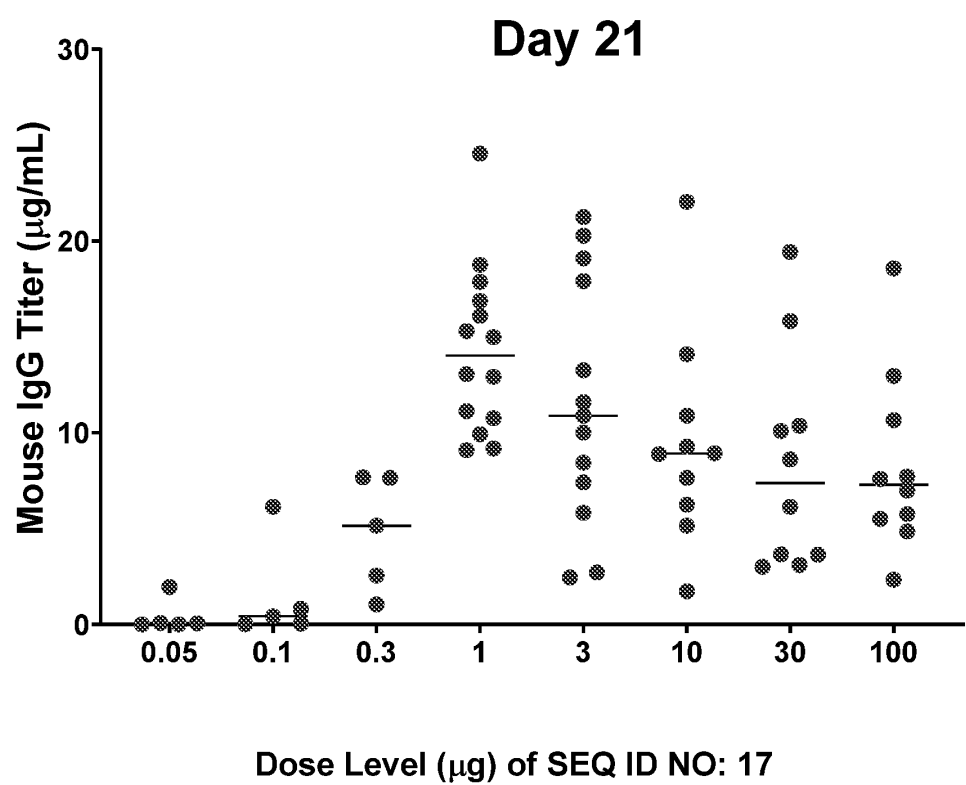


FIG. 25

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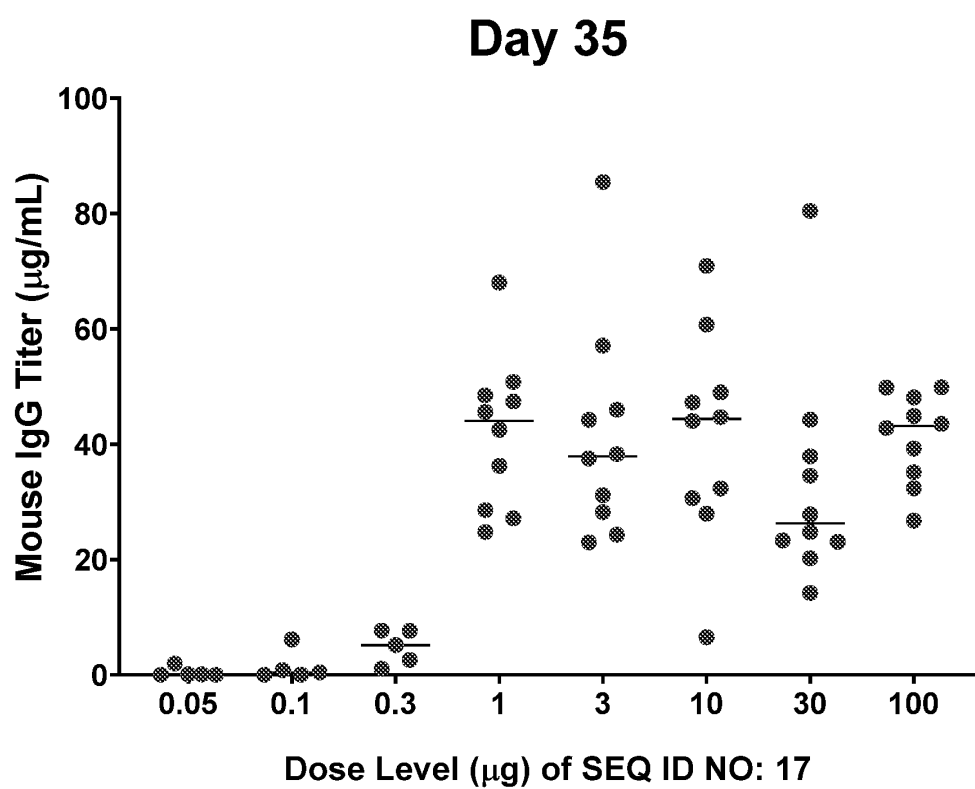


FIG. 26

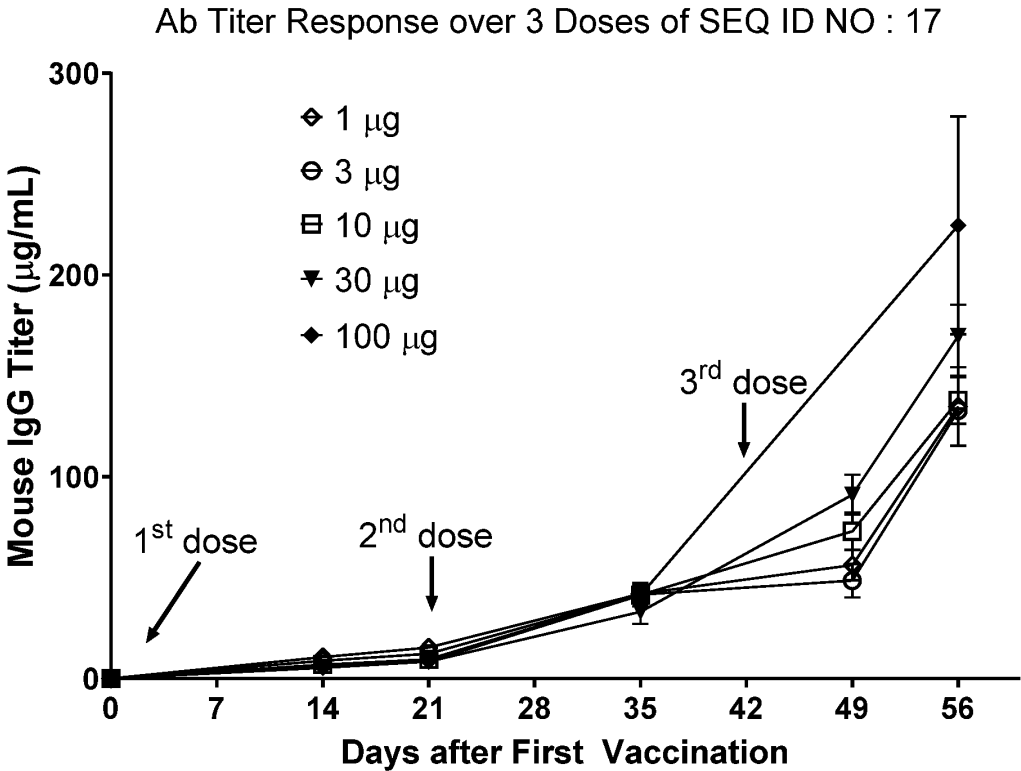


FIG. 27

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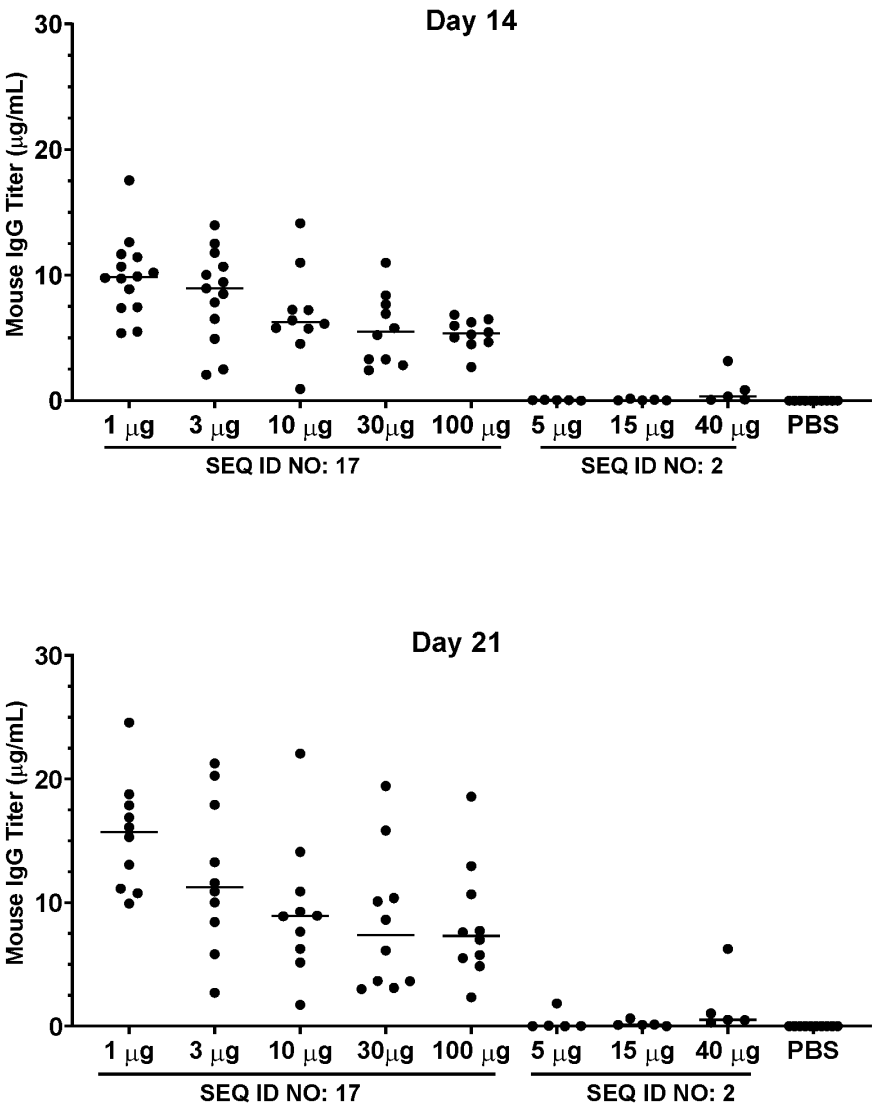


FIG. 28

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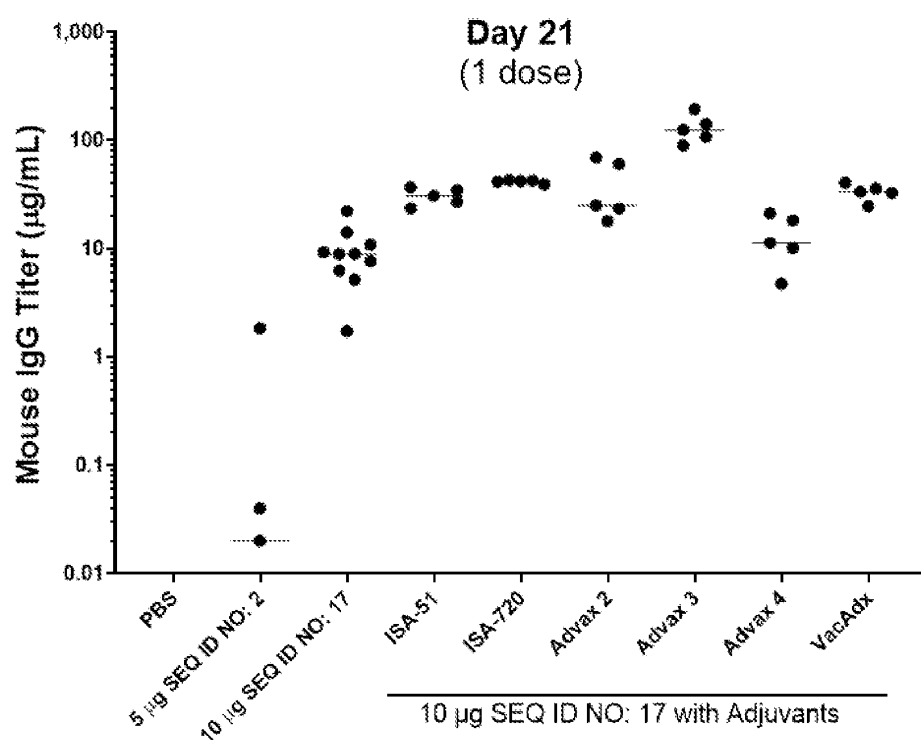


FIG. 29

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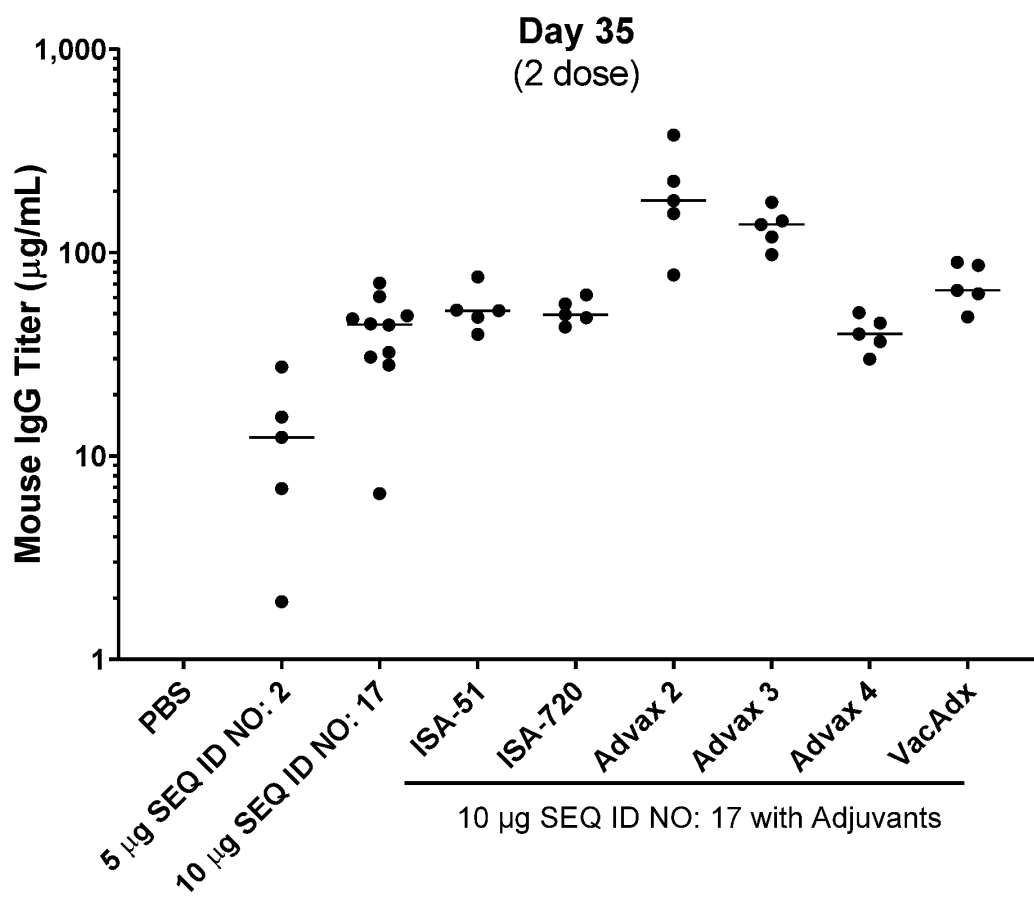


FIG. 30

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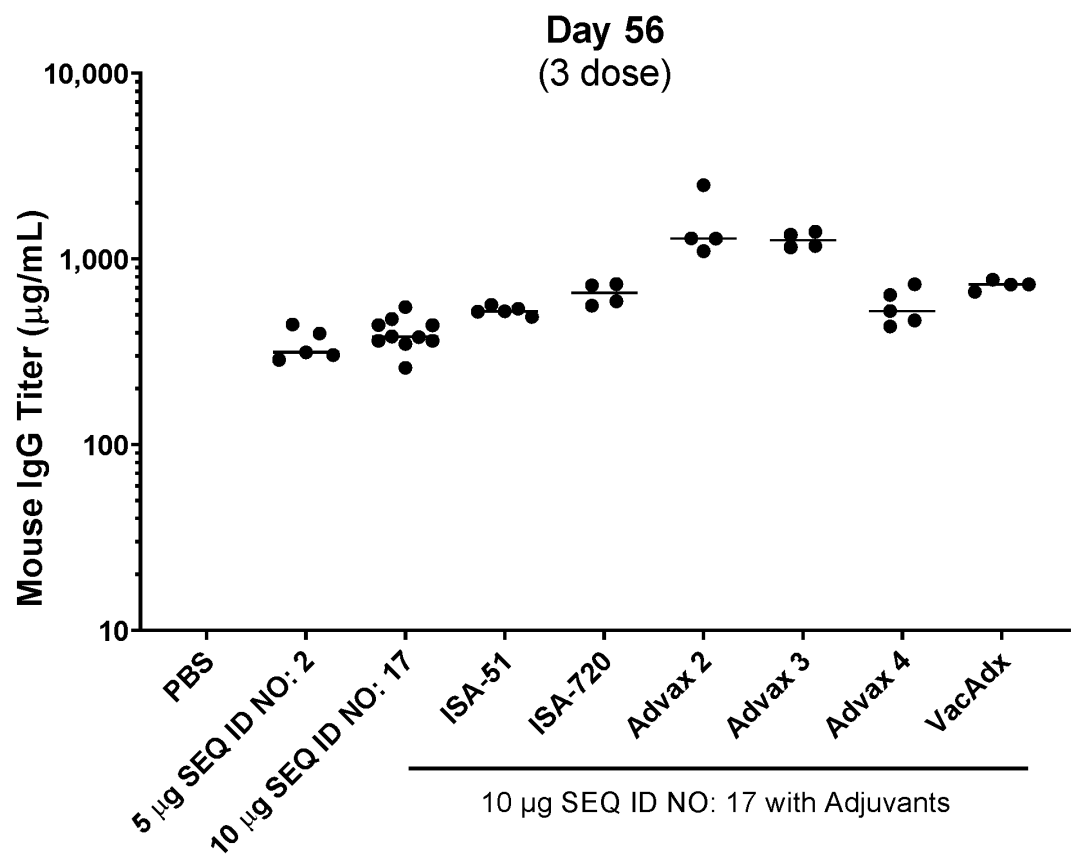


FIG. 31

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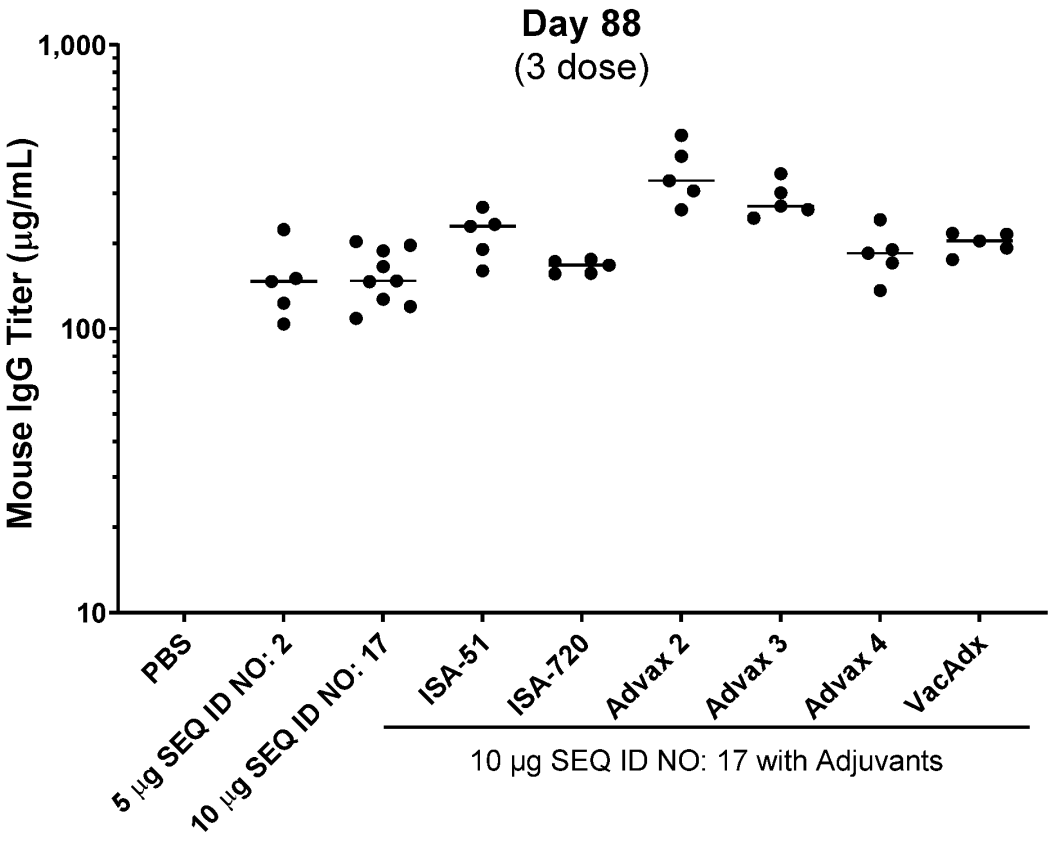


FIG. 32

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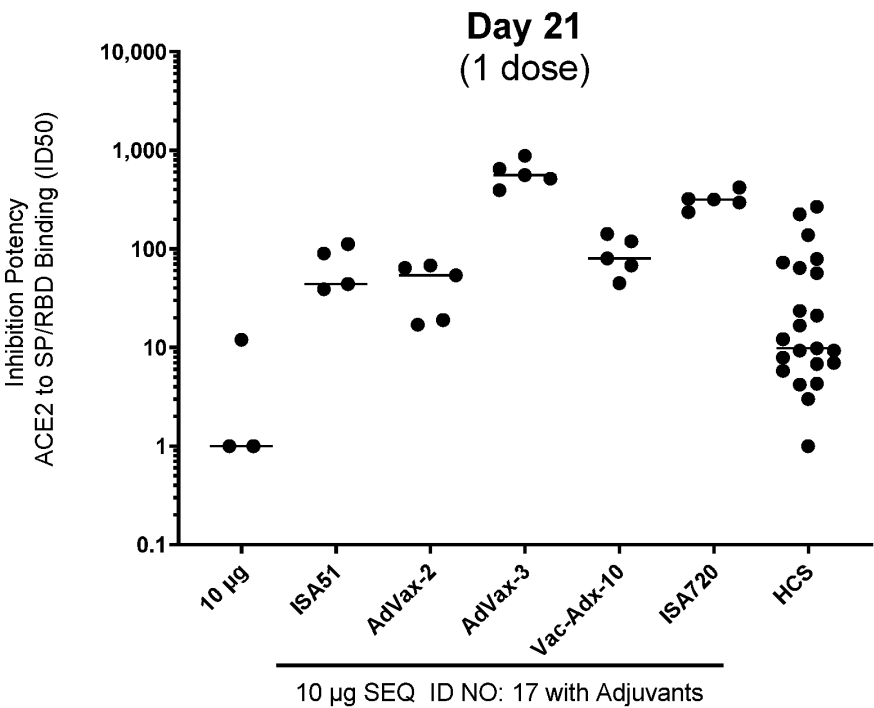


FIG. 33

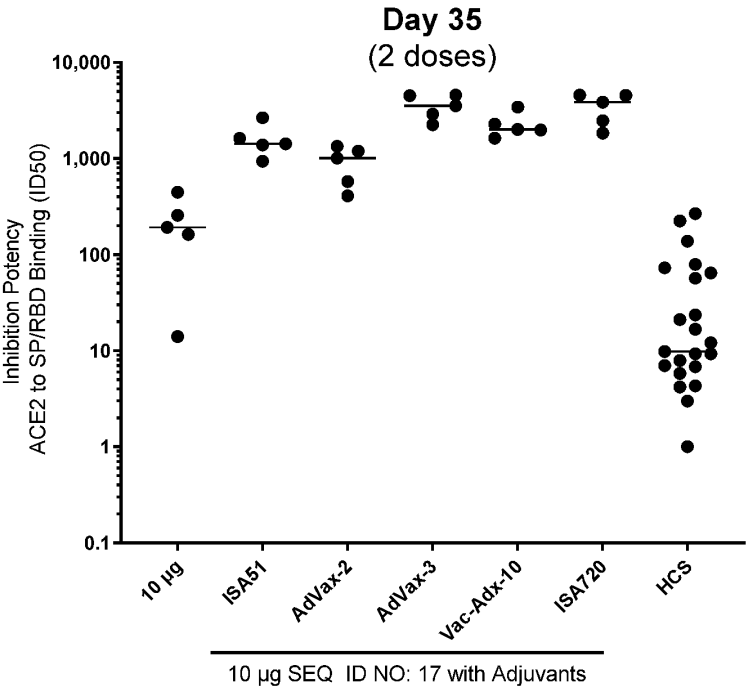


FIG. 34

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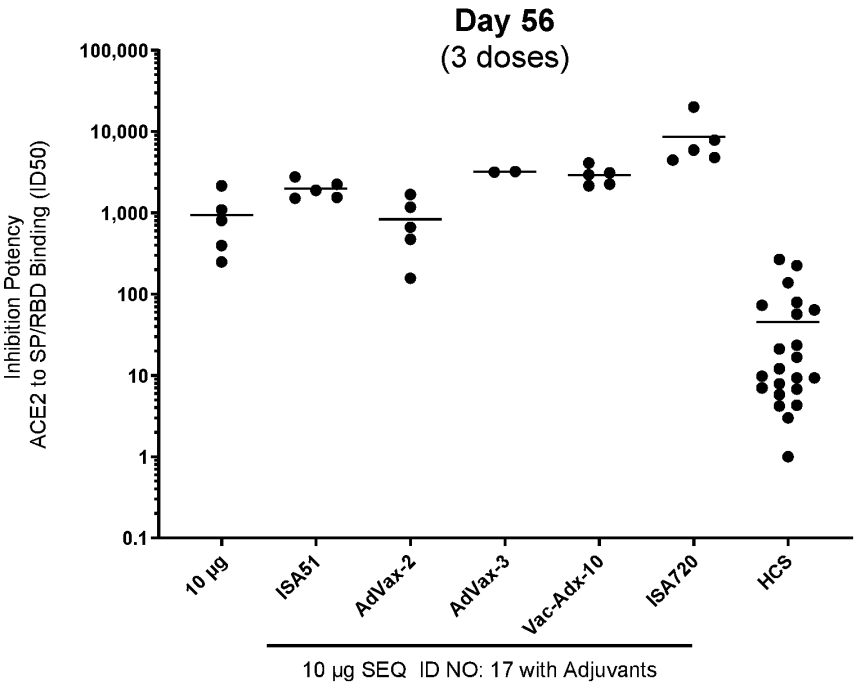


FIG. 35

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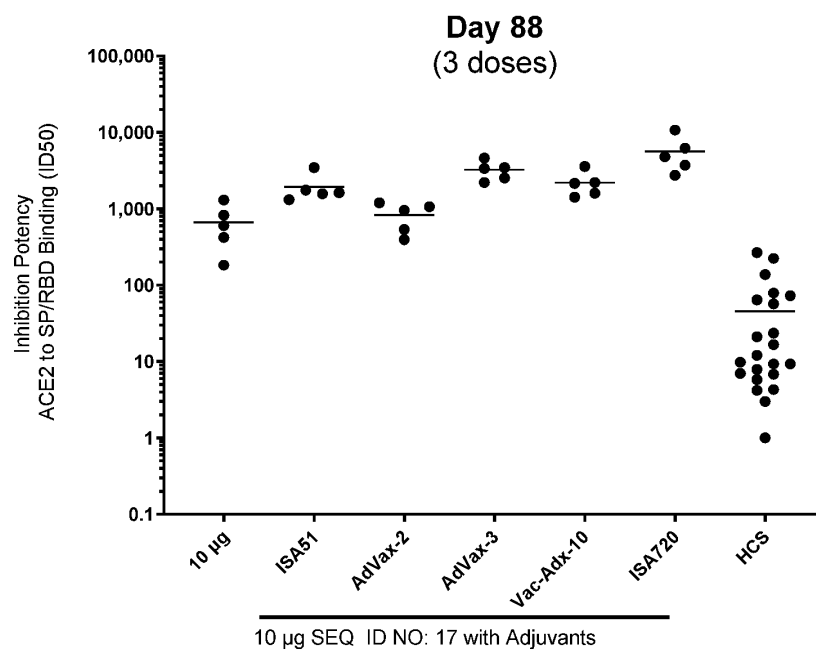


FIG. 36

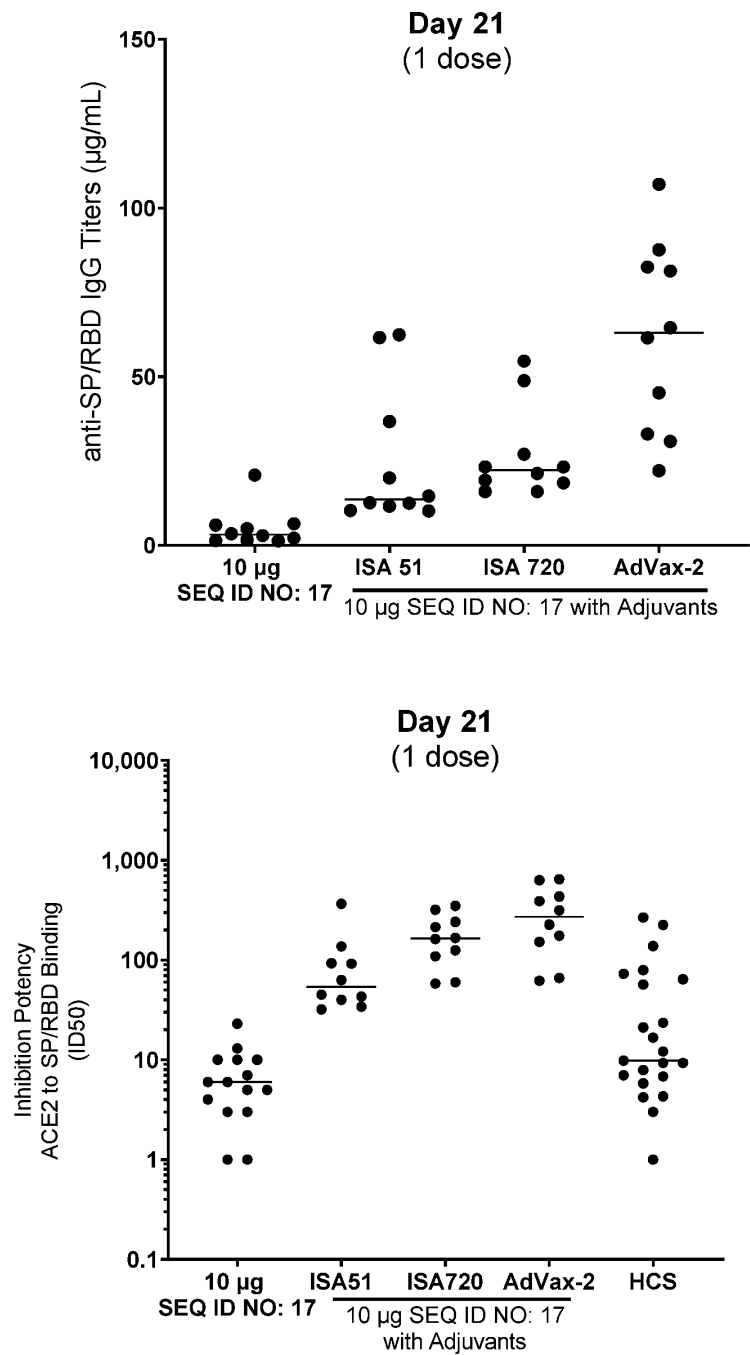


FIG. 37

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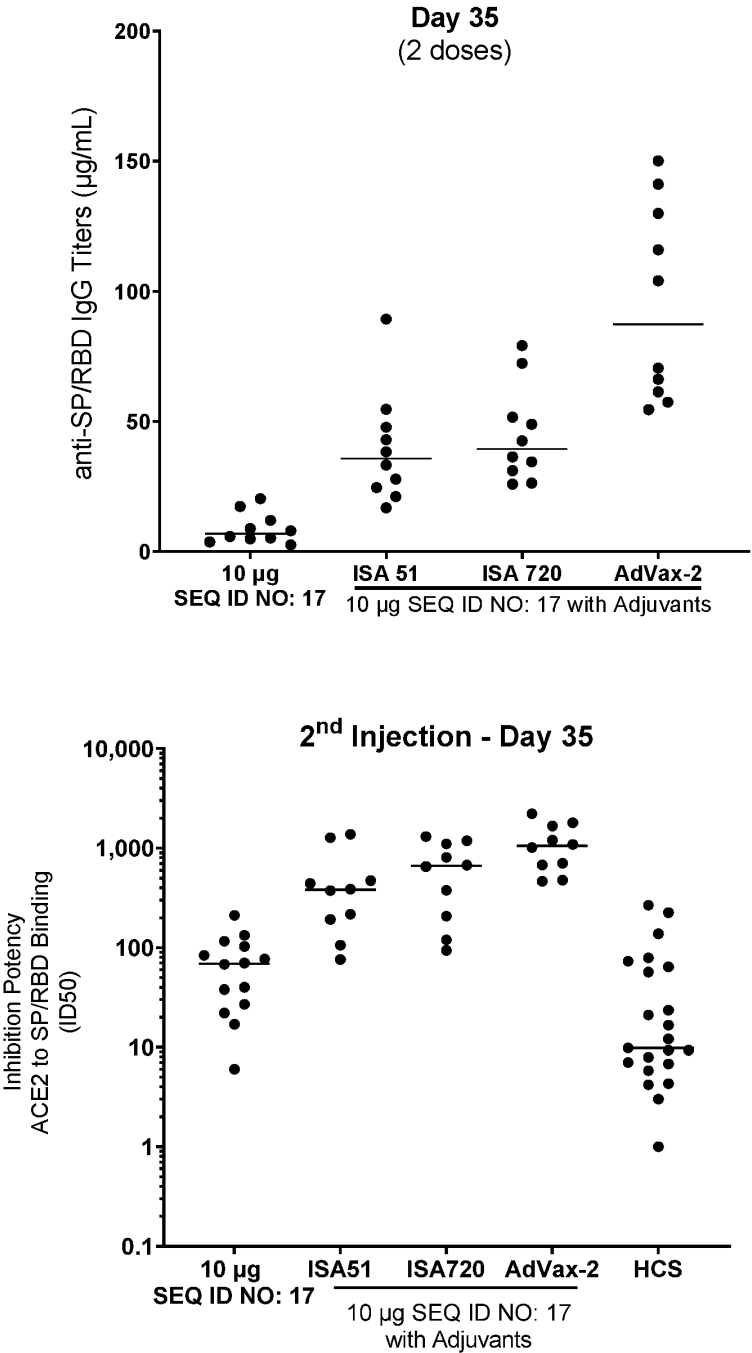


FIG. 38

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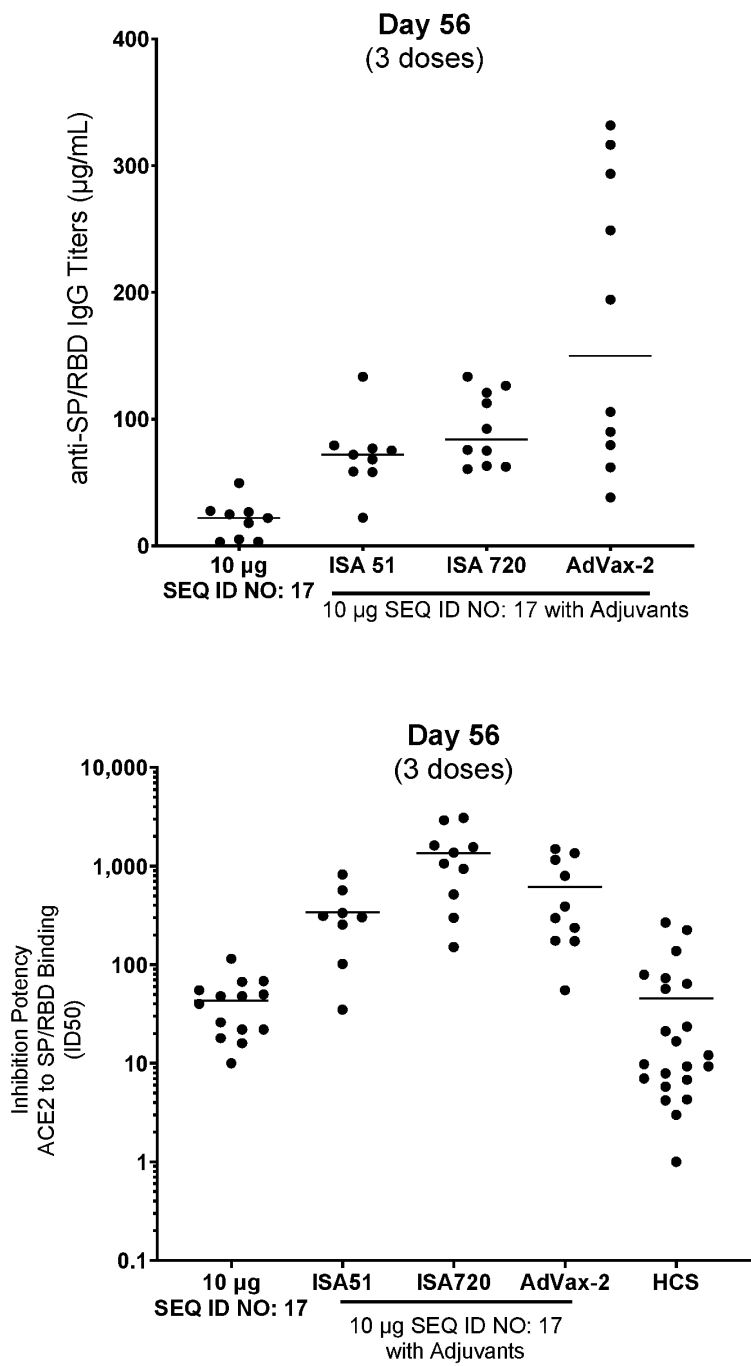


FIG. 39

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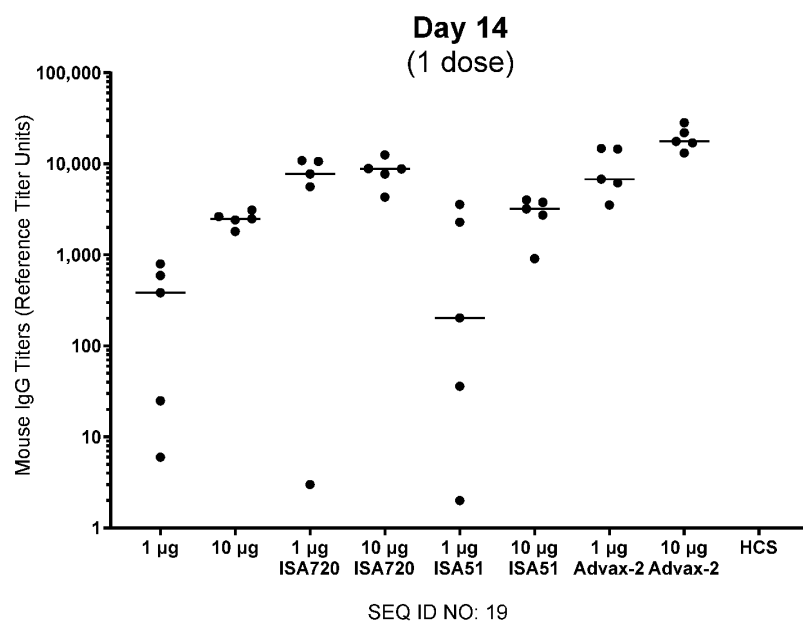


FIG. 40

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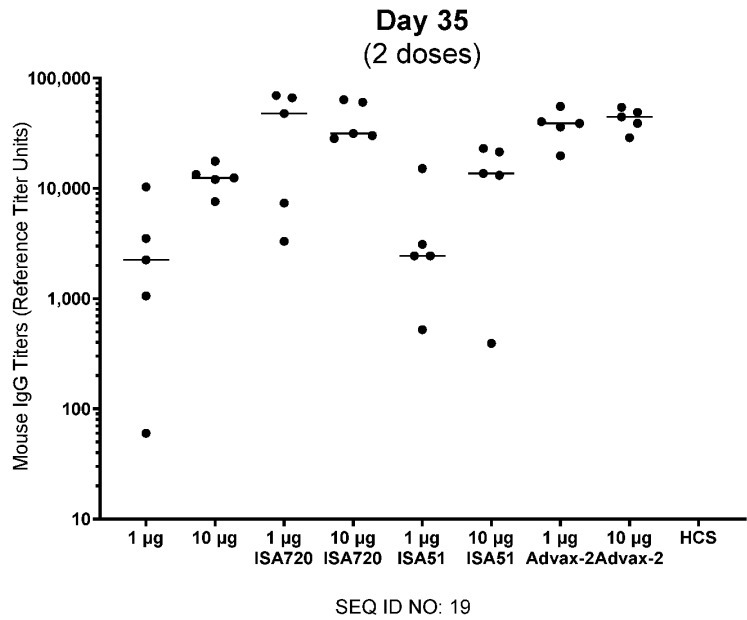


FIG. 41

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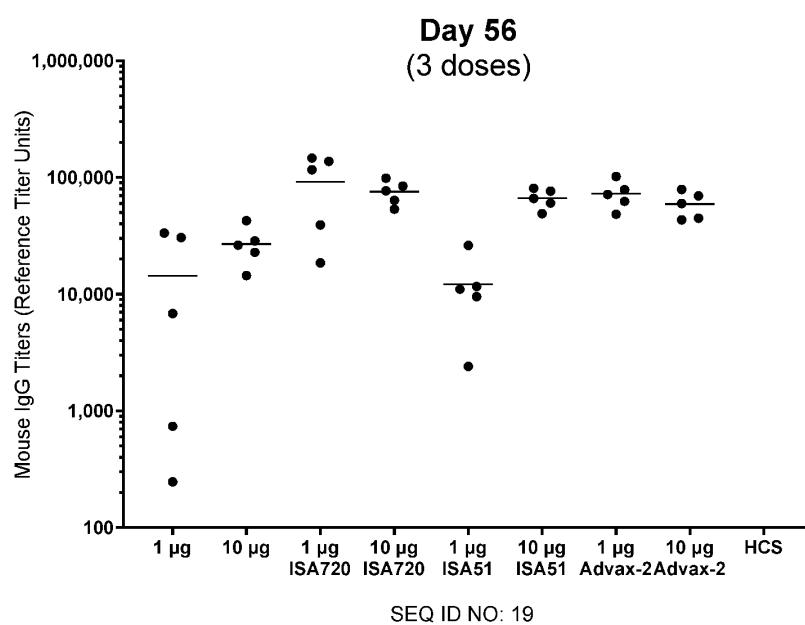


FIG. 42

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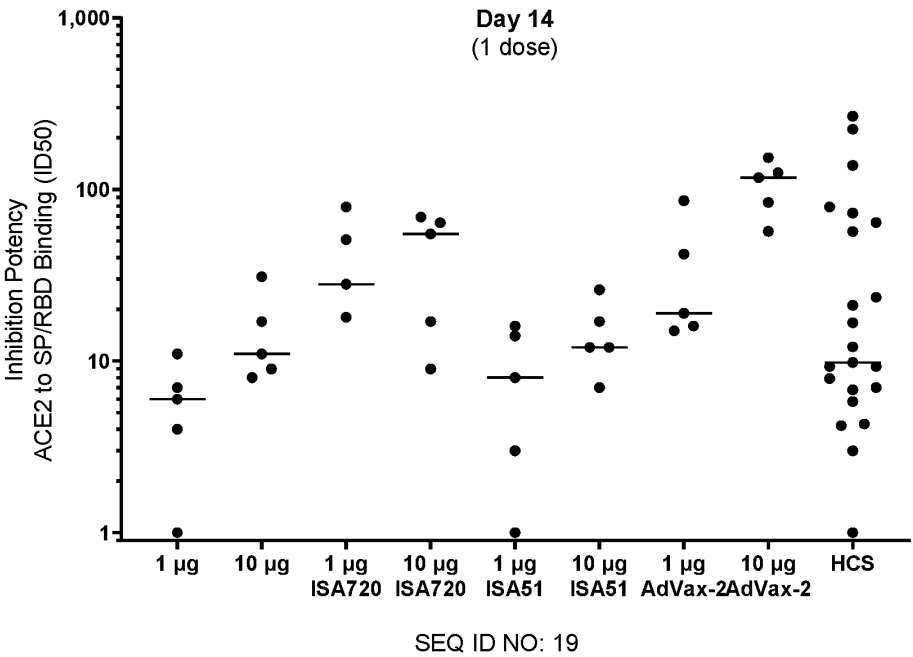


FIG. 43

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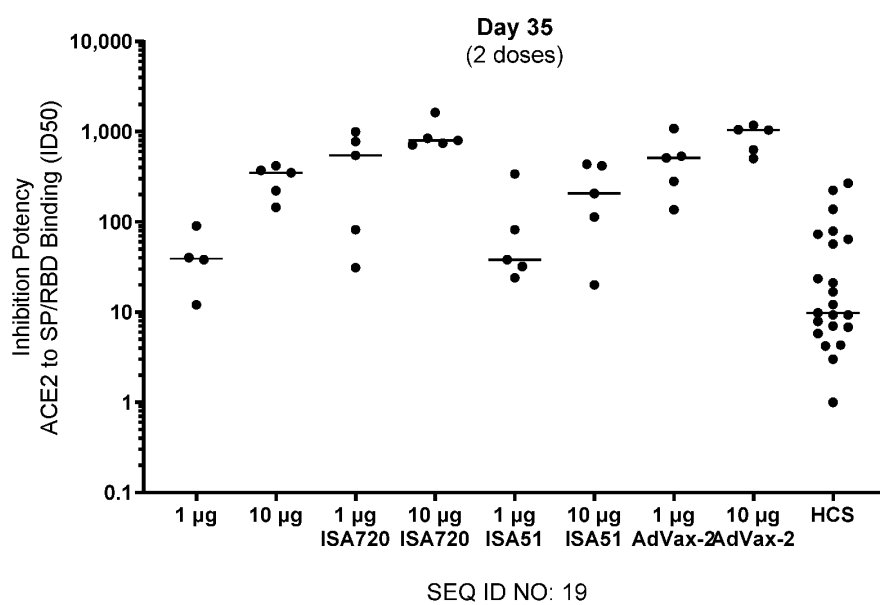


FIG. 44

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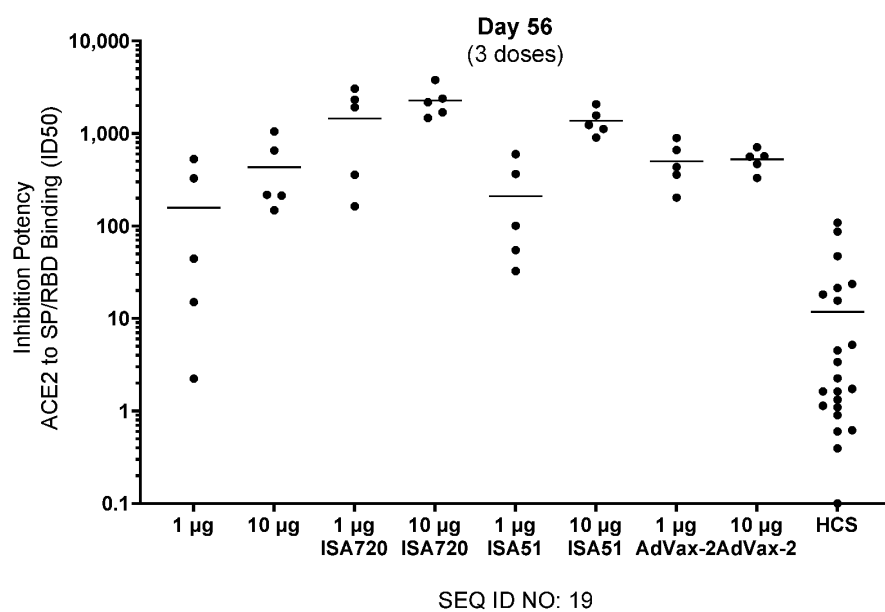


FIG. 45

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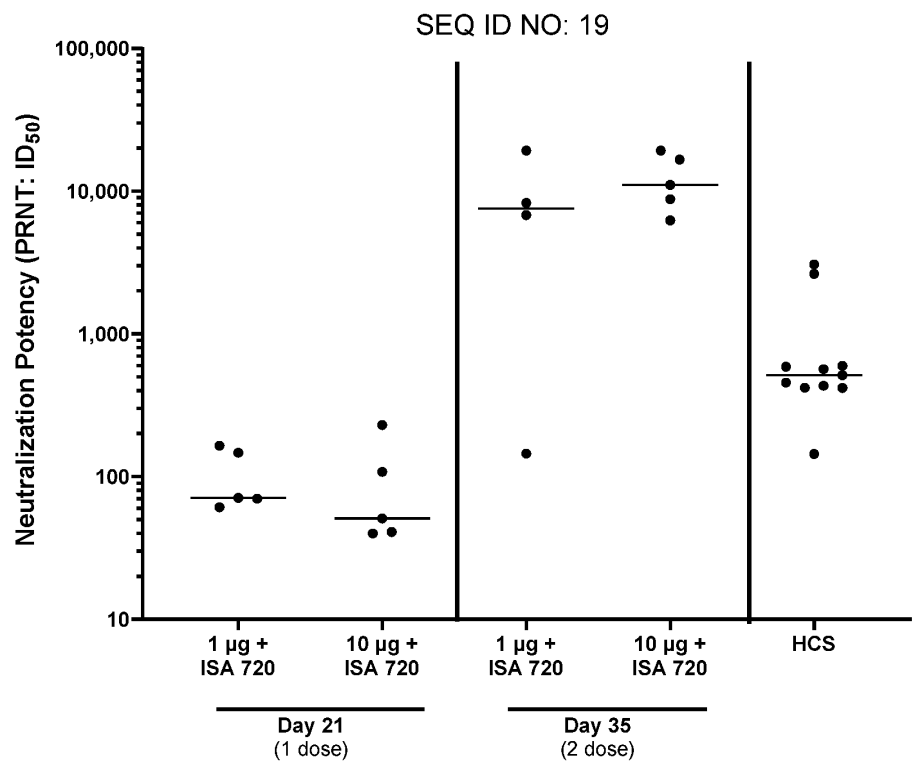


FIG. 46

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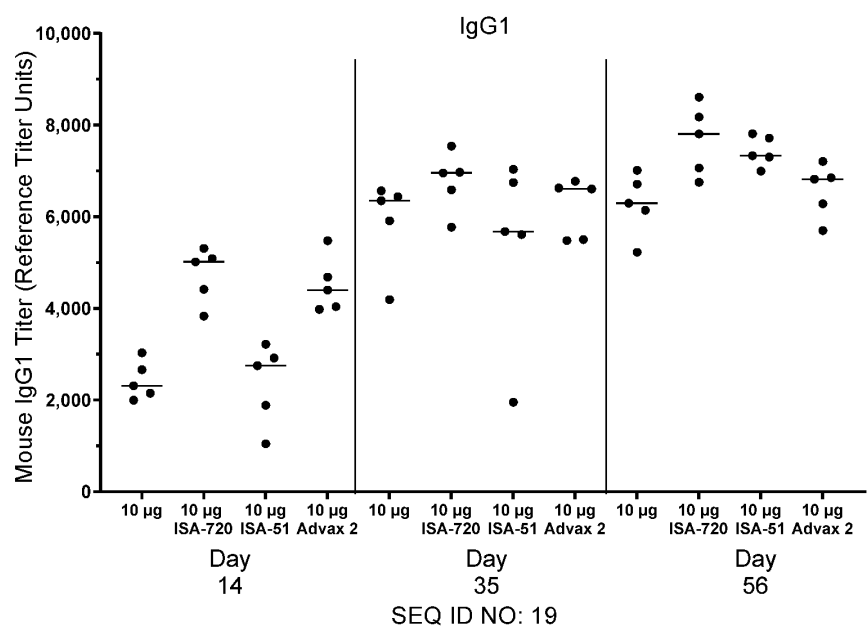


FIG. 47

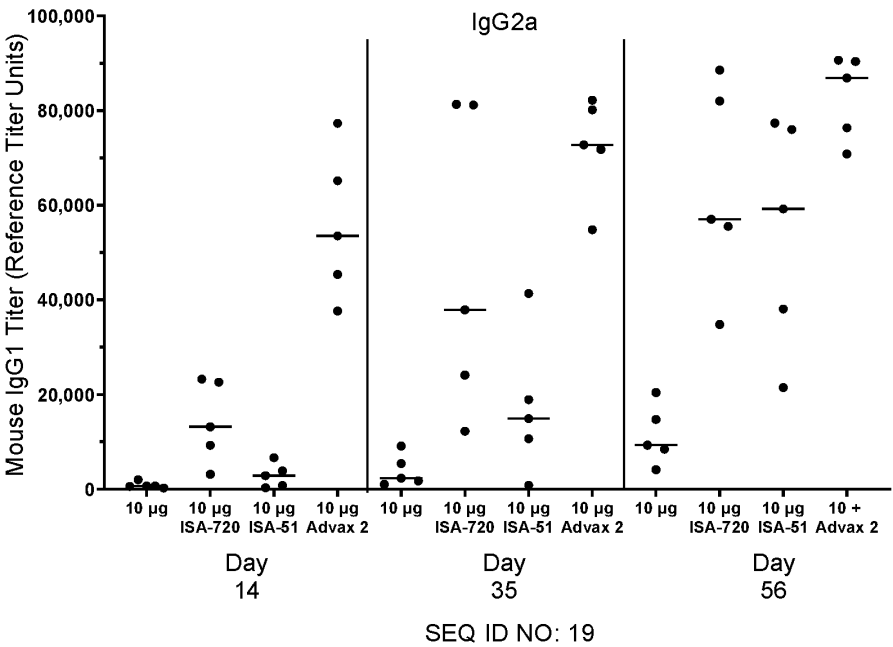


FIG. 48

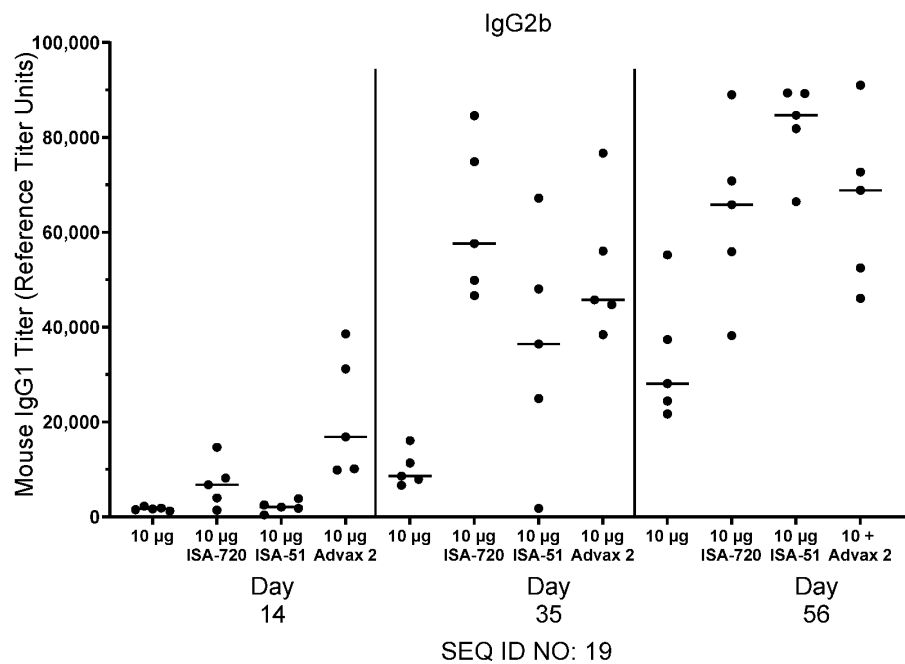


FIG. 49

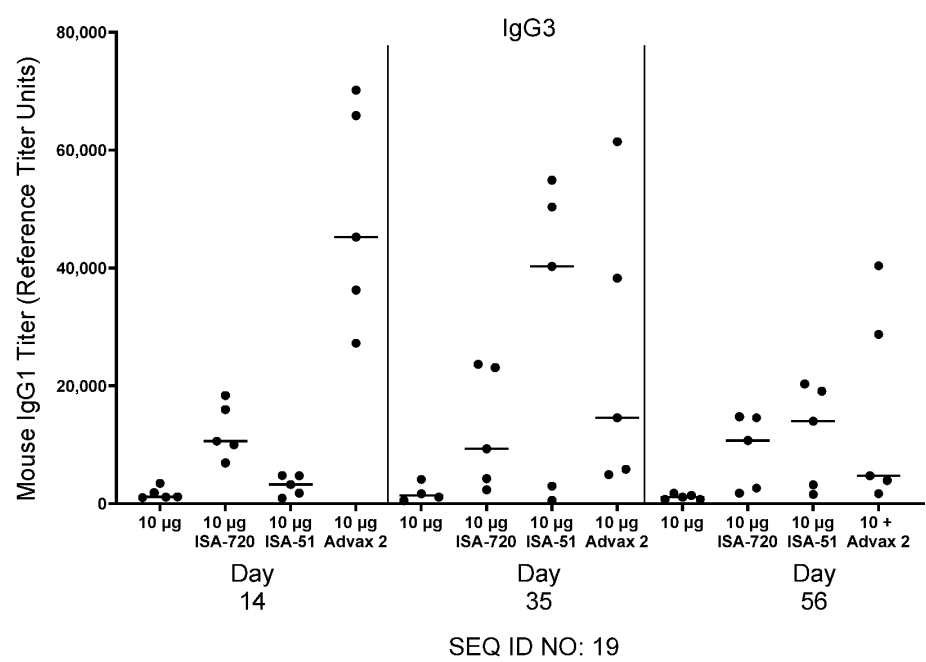


FIG. 50

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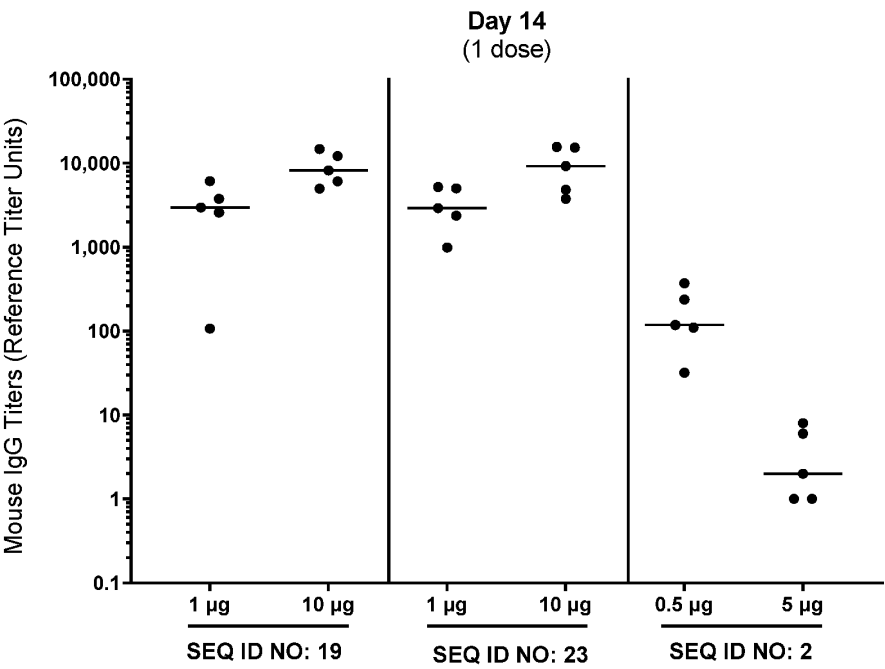


FIG. 51

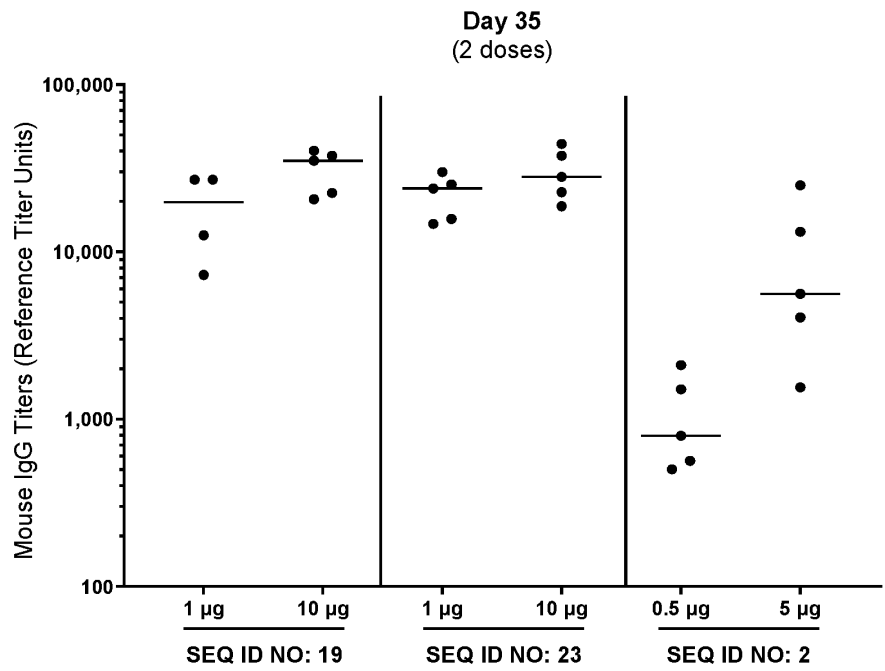


FIG. 52

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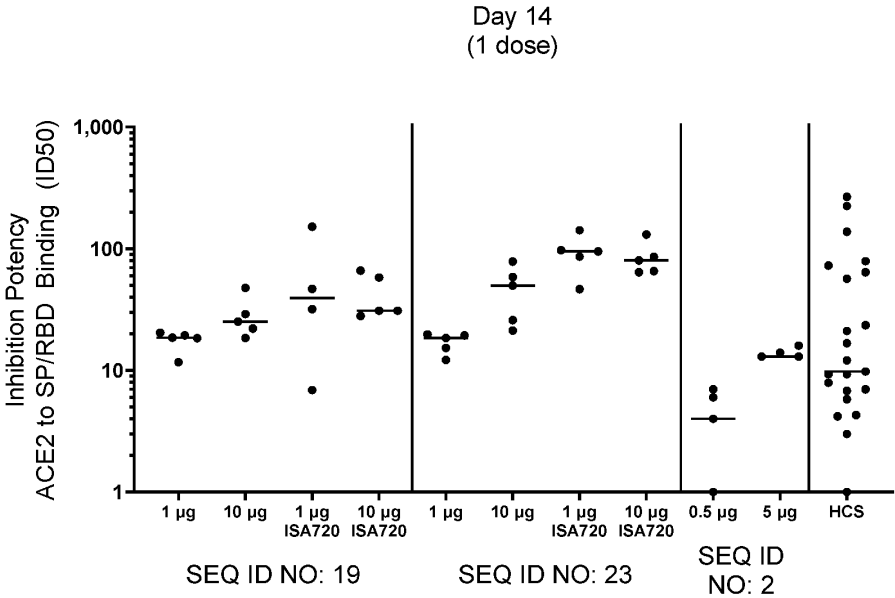


FIG. 53

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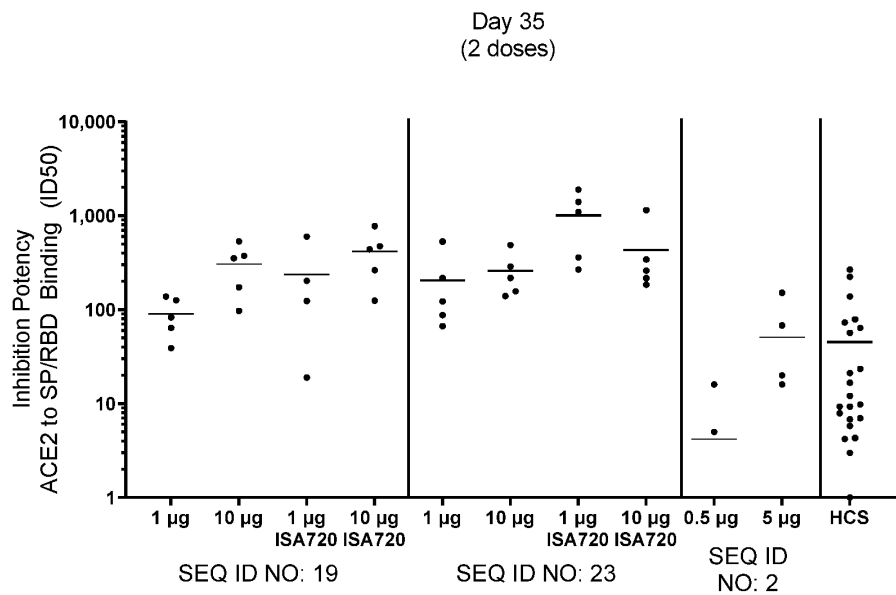


FIG. 54

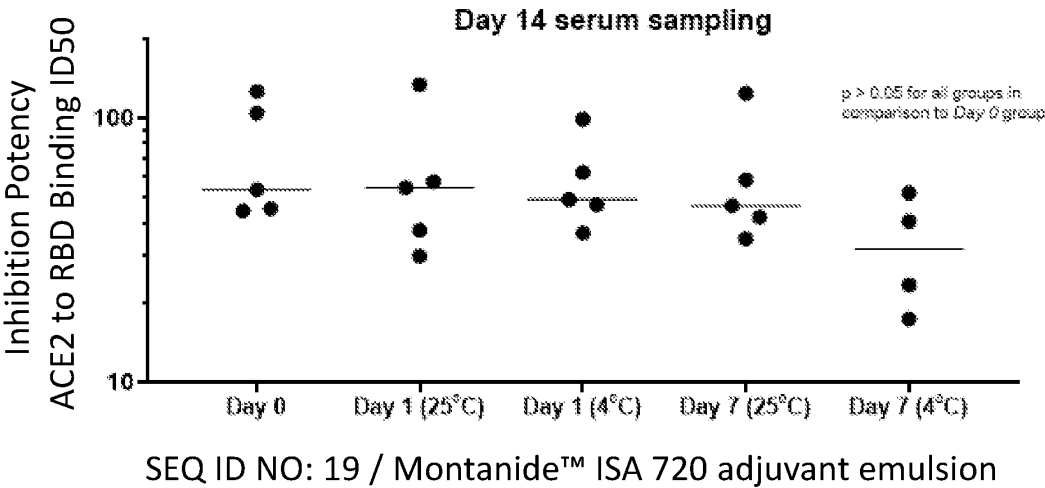


FIG. 55

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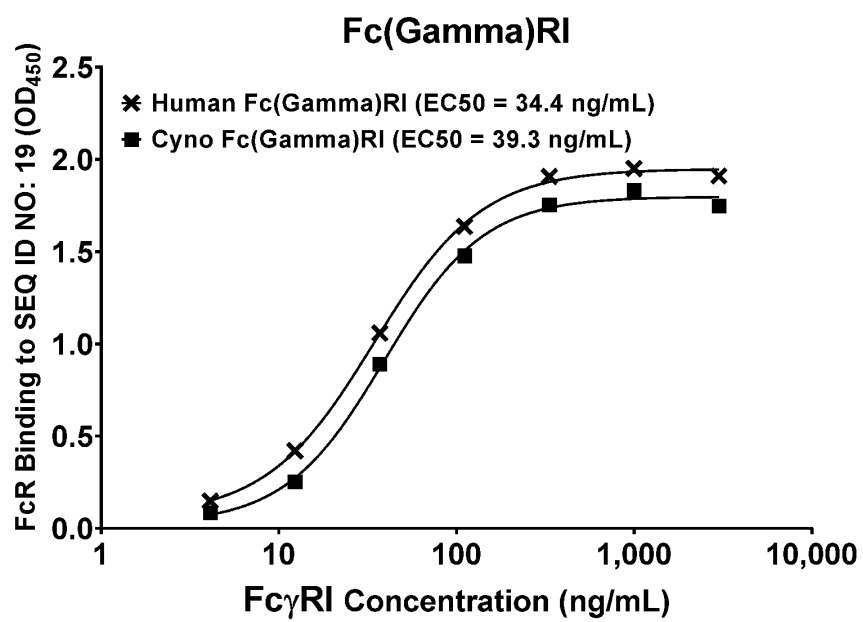


FIG. 56

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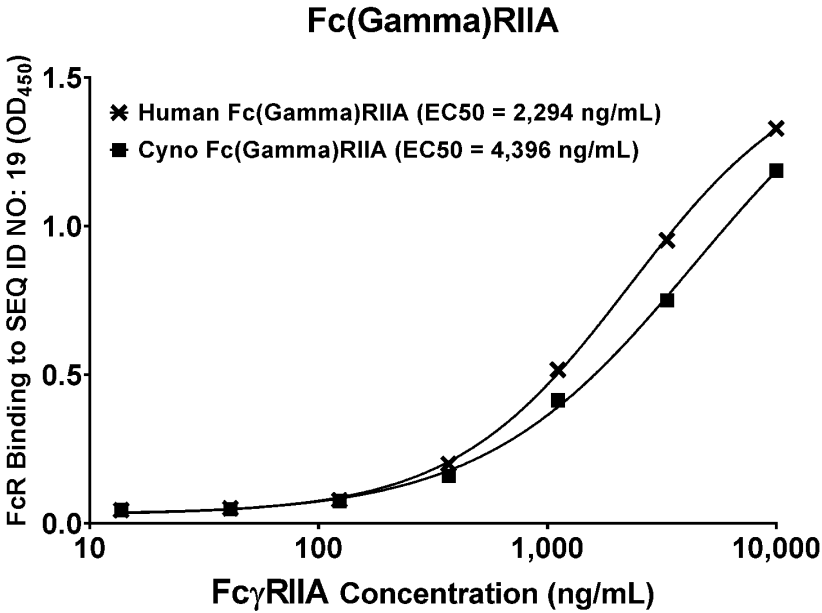


FIG. 57

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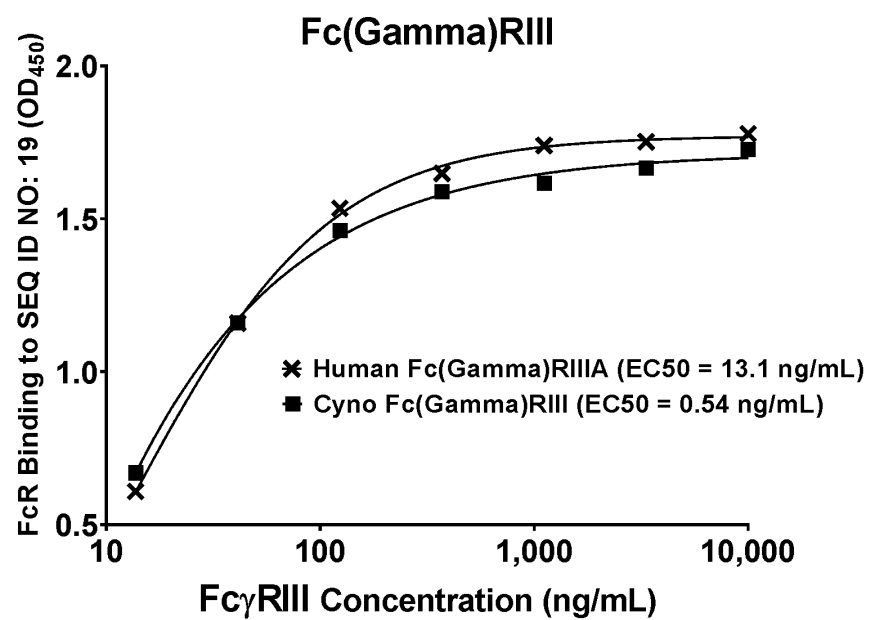


FIG. 58

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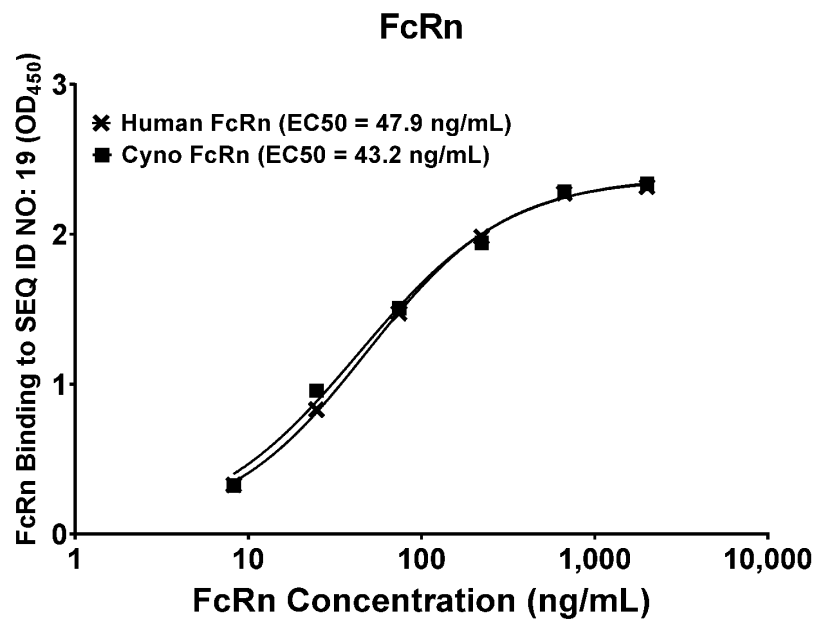


FIG. 59

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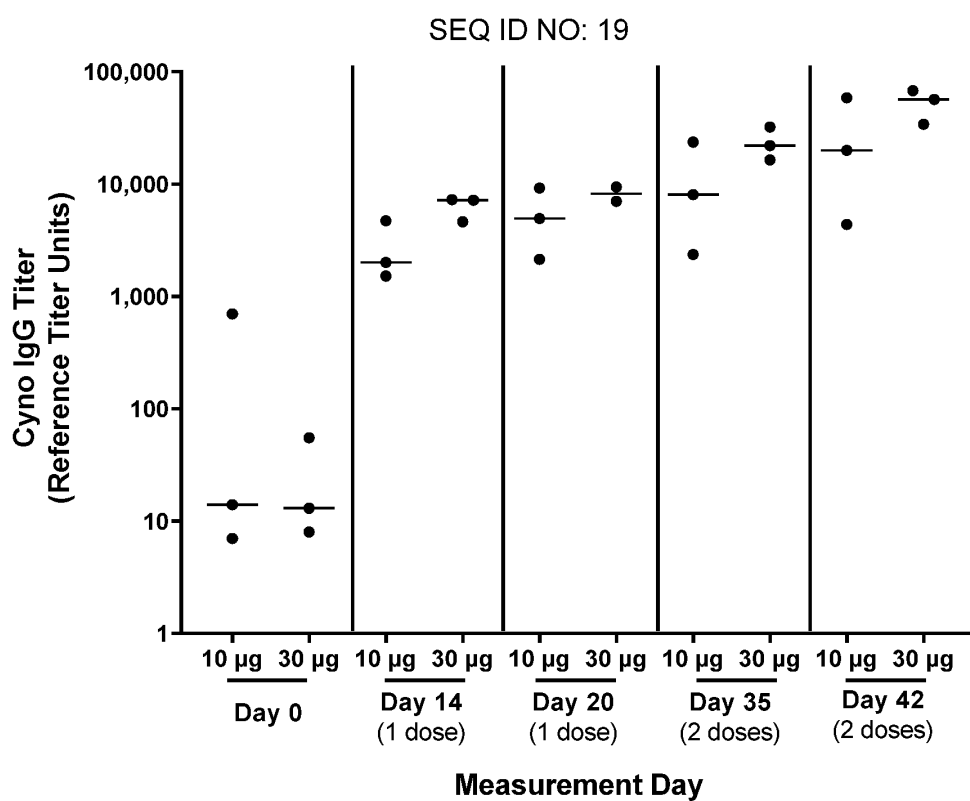


FIG. 60

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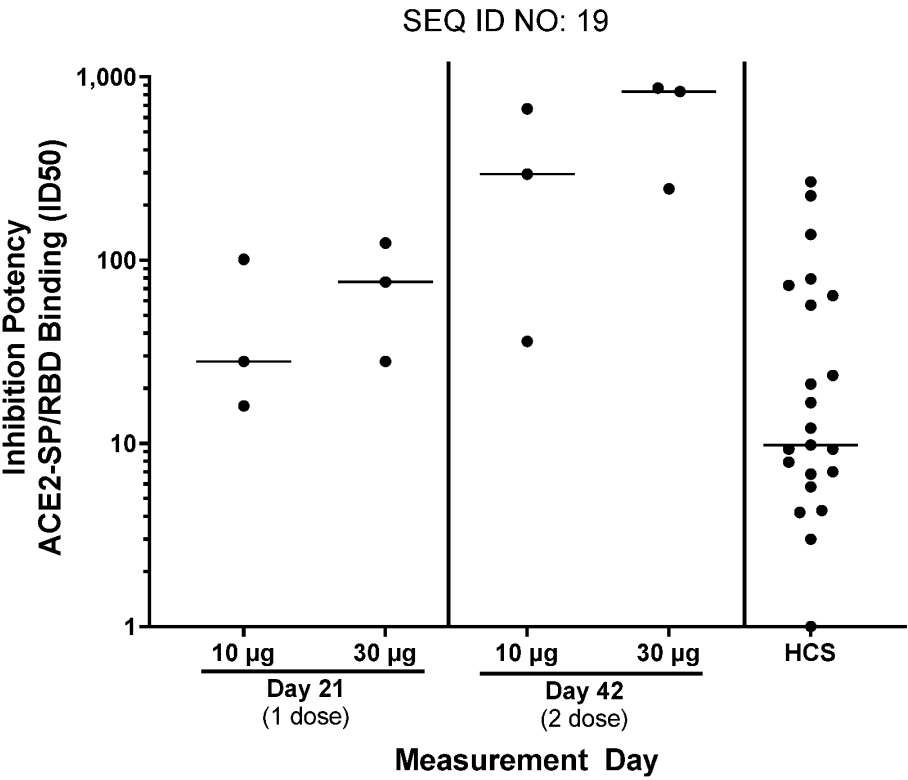


FIG. 61

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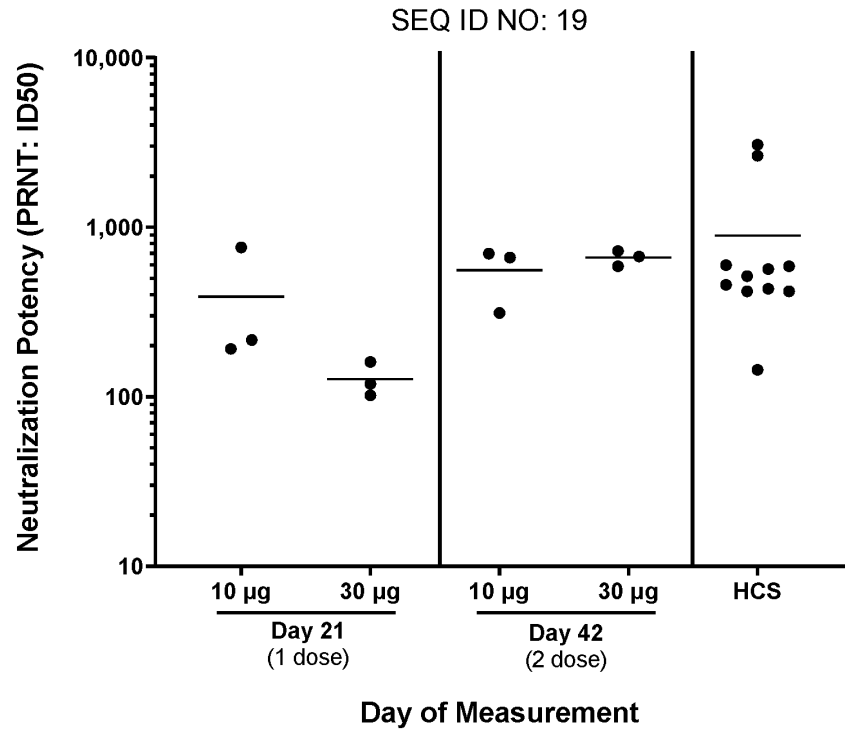


FIG. 62

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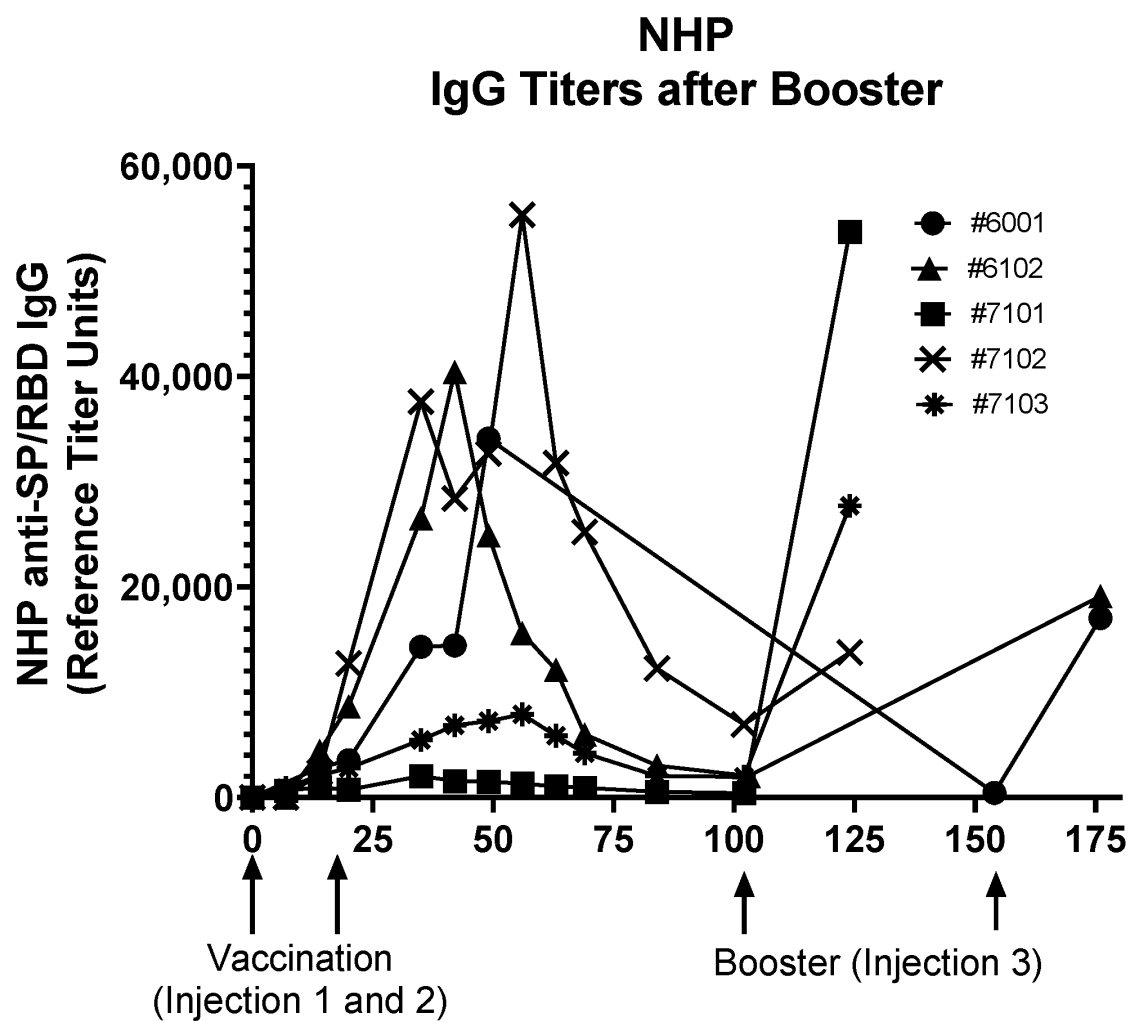


FIG. 63

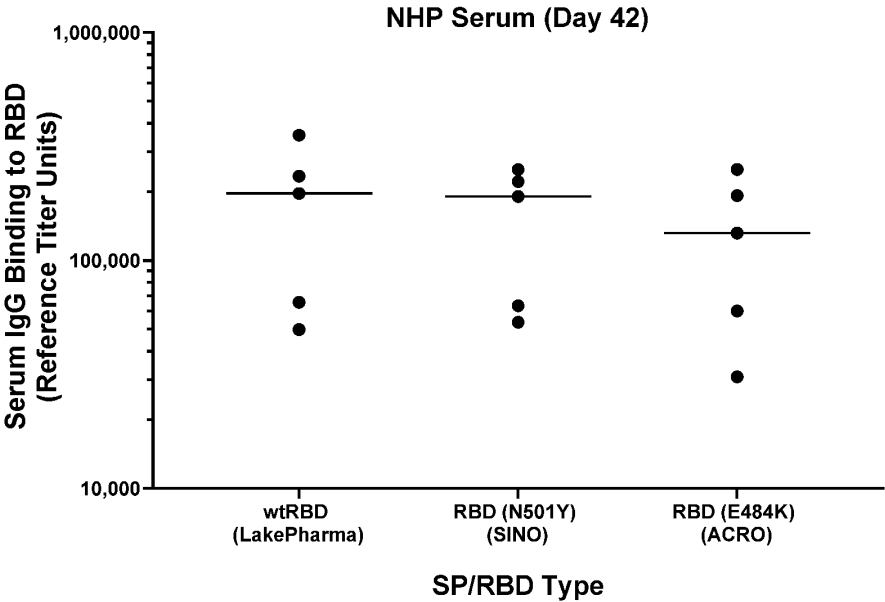


FIG. 64

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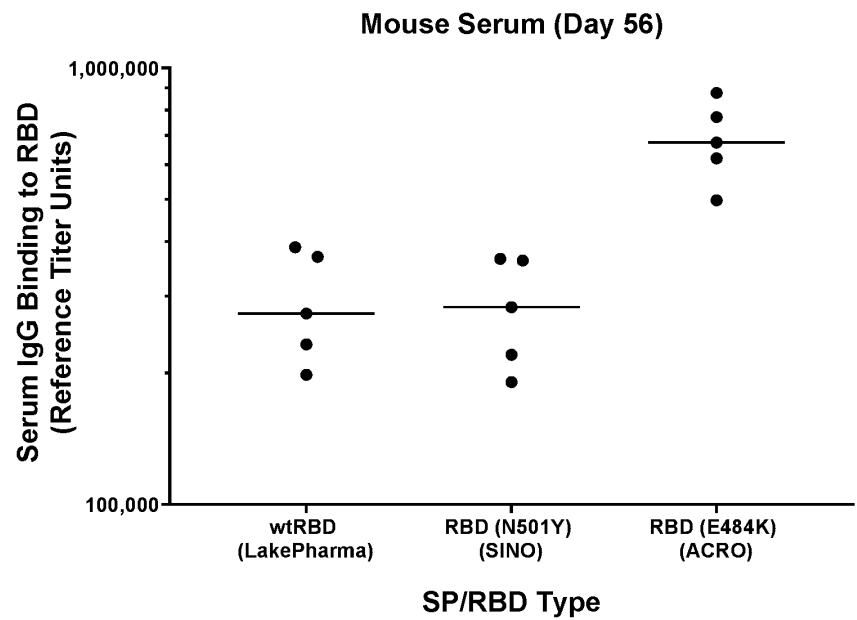


FIG. 65

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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

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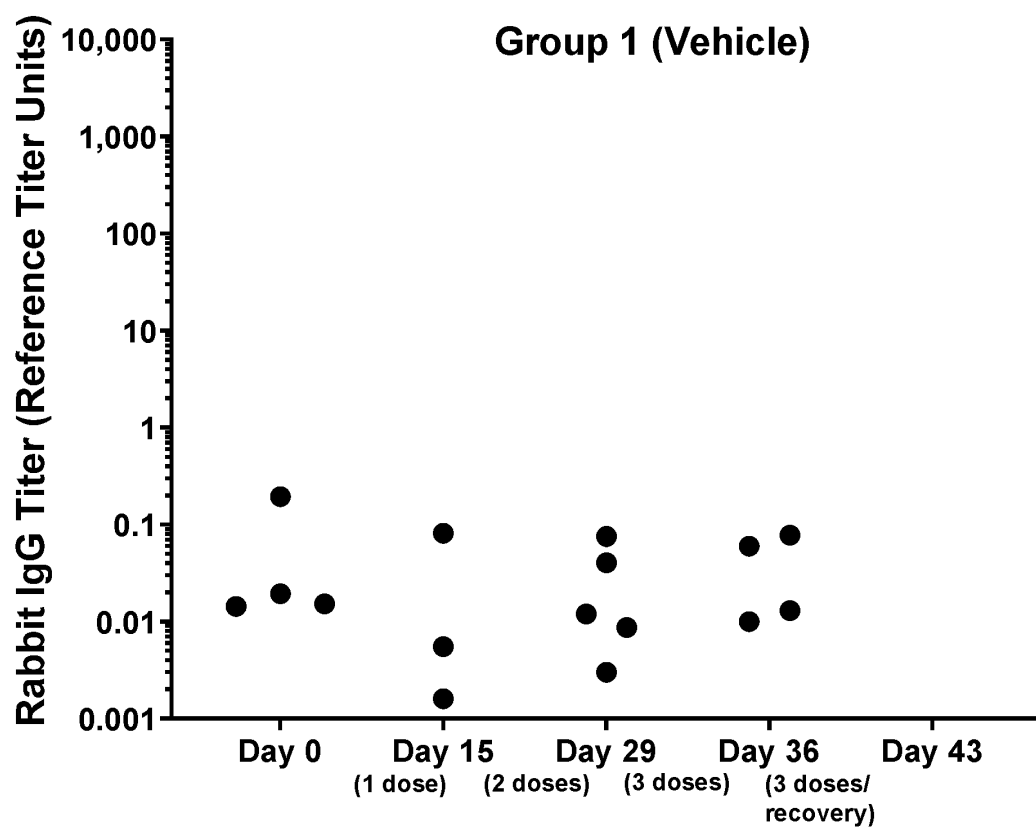


FIG. 67

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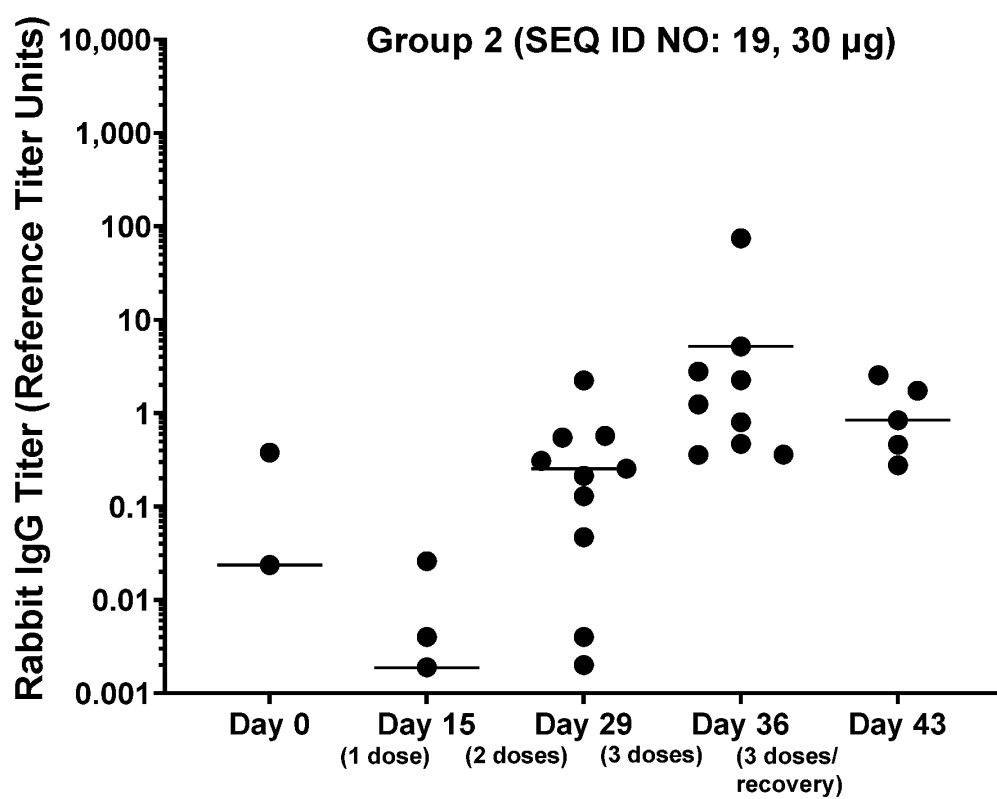


FIG. 68

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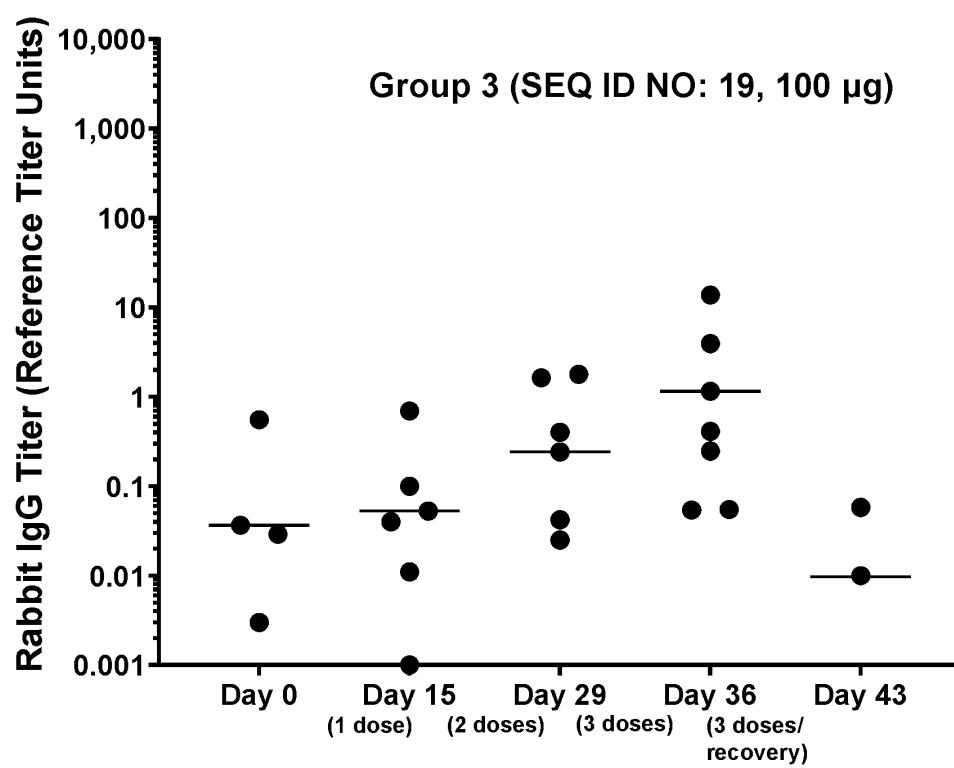


FIG. 69

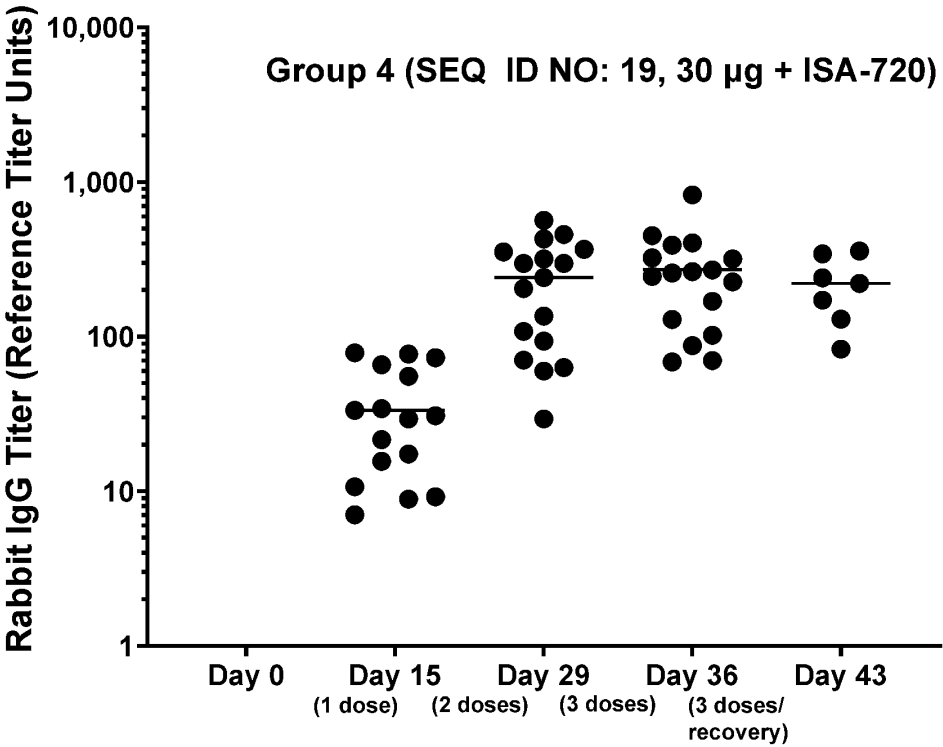


FIG. 70

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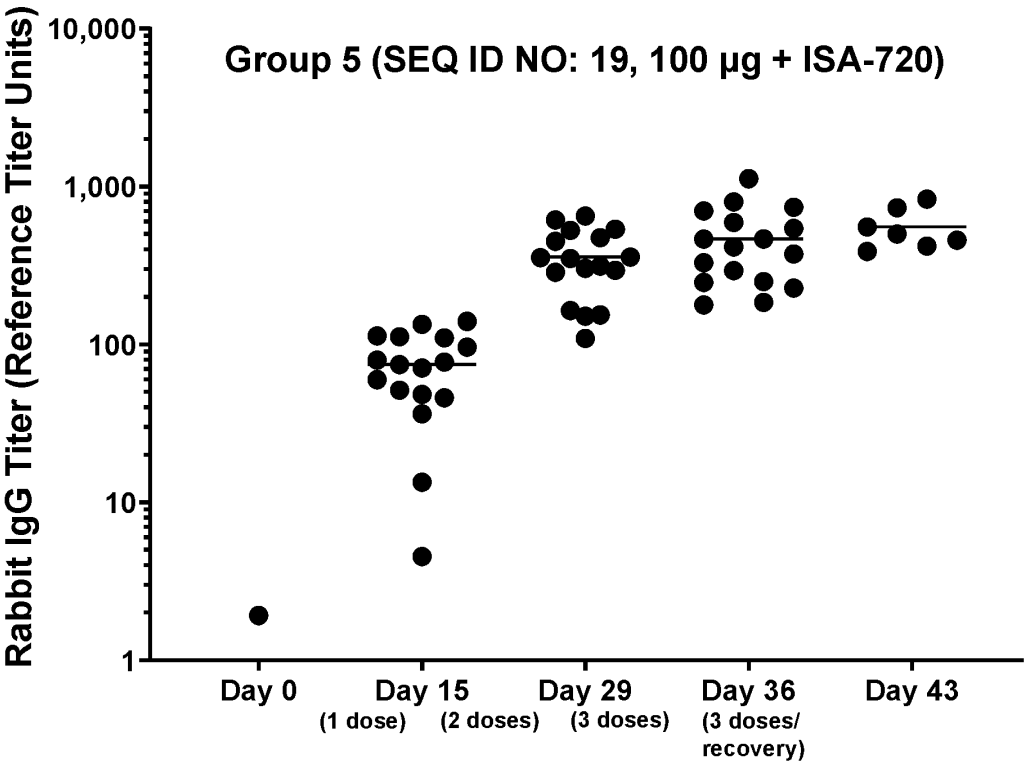


FIG. 71

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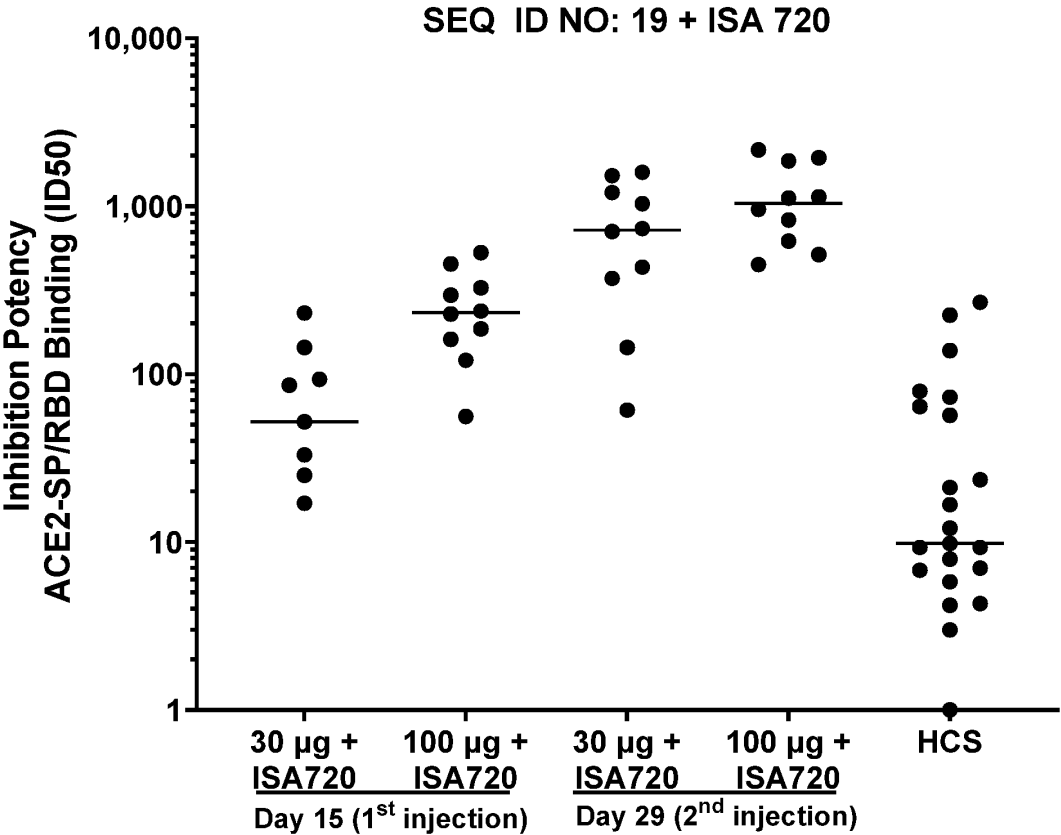


FIG. 72

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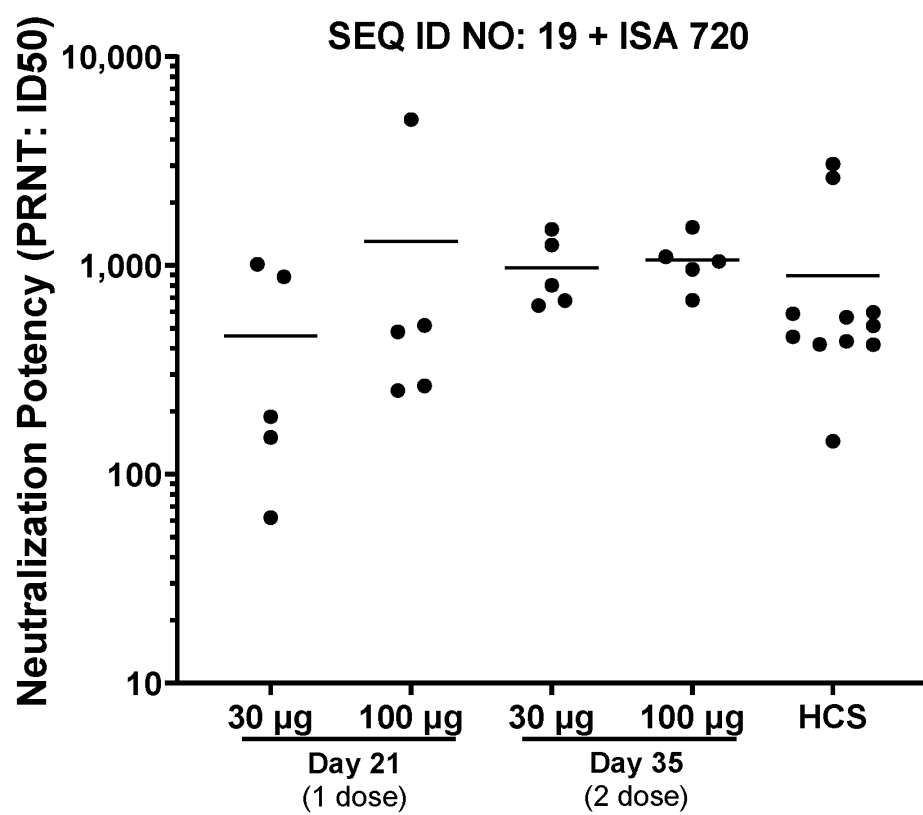


FIG. 73

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SEQ ID NO: 19 + ISA 720

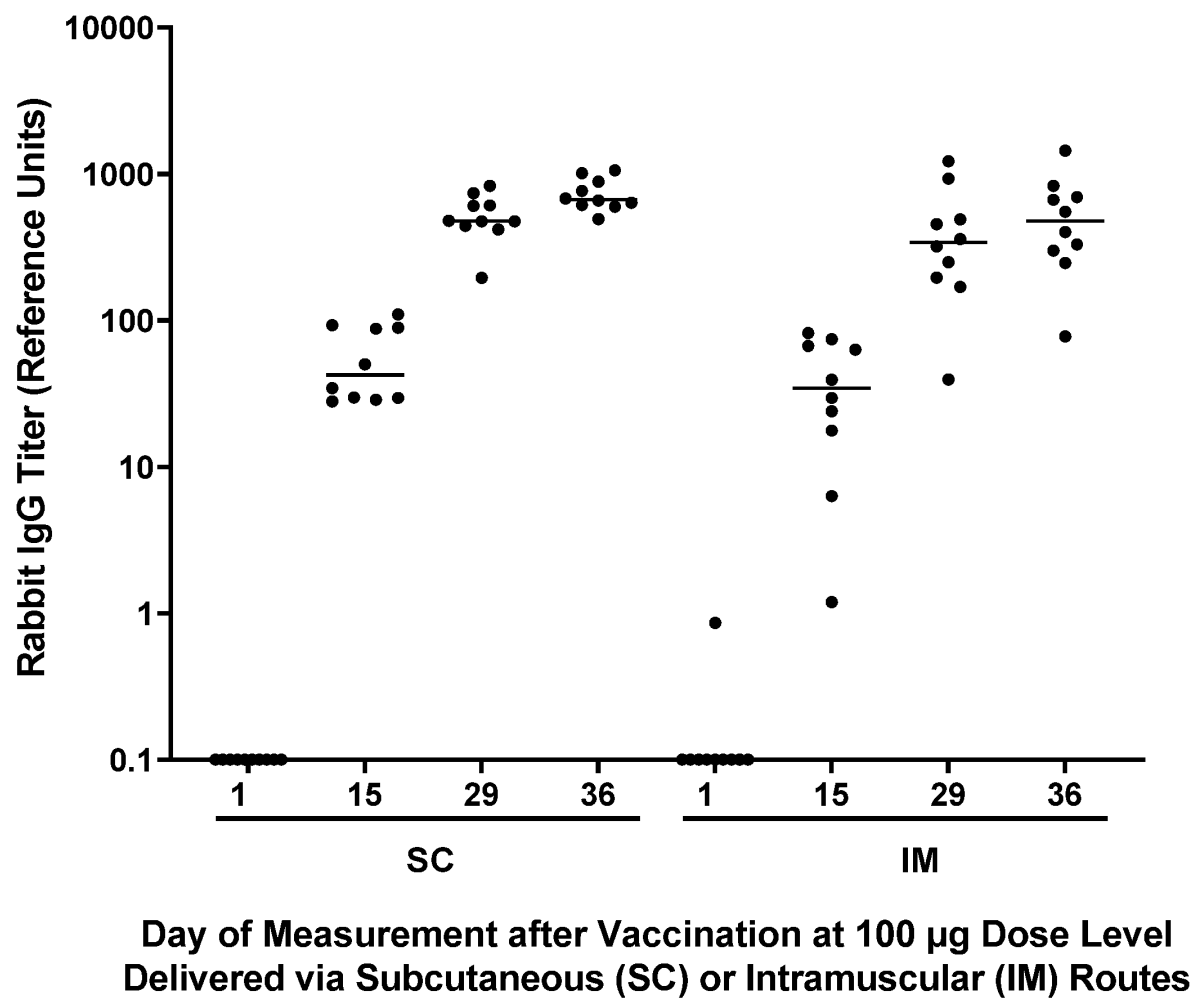


FIG. 74

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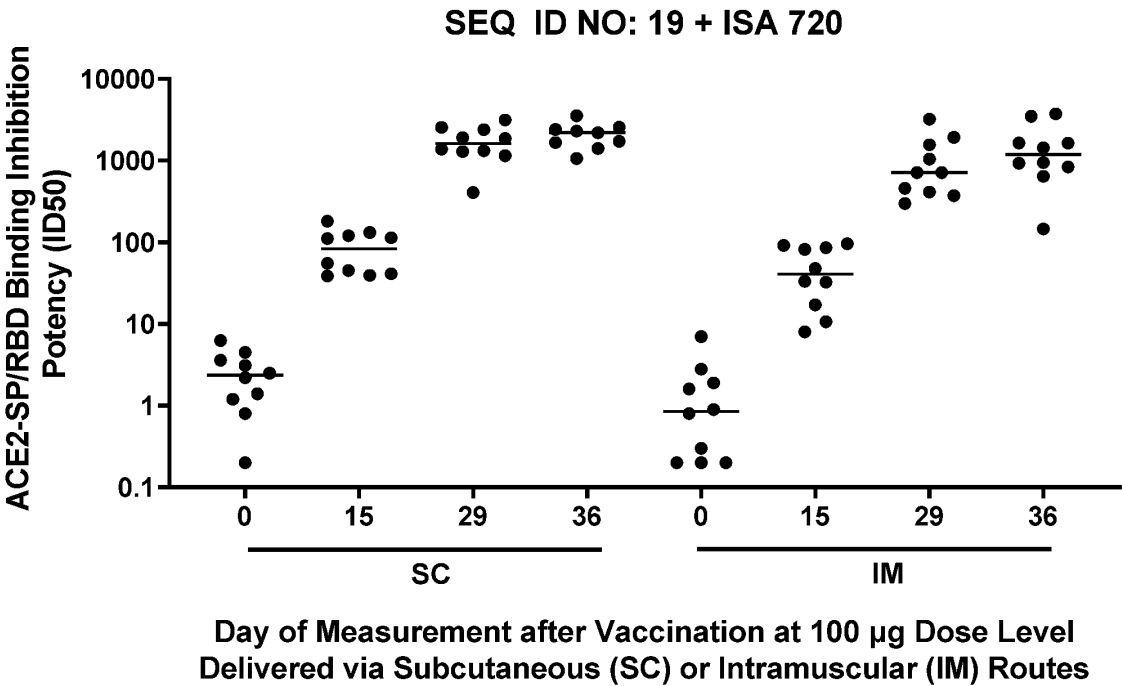


FIG. 75

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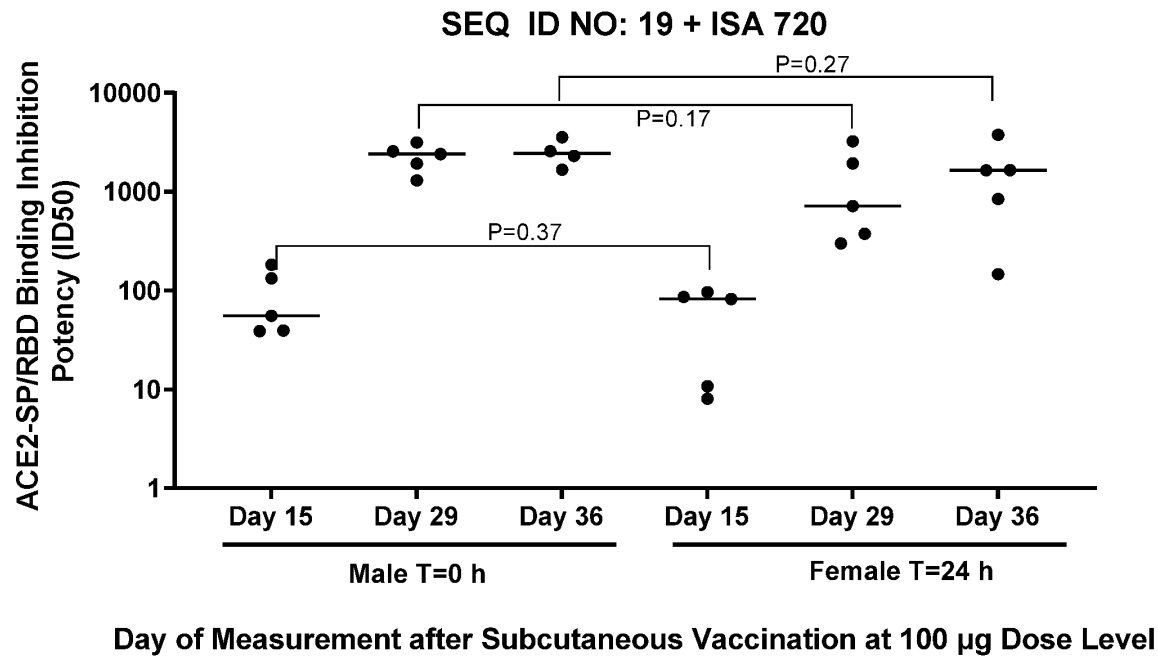


FIG. 76

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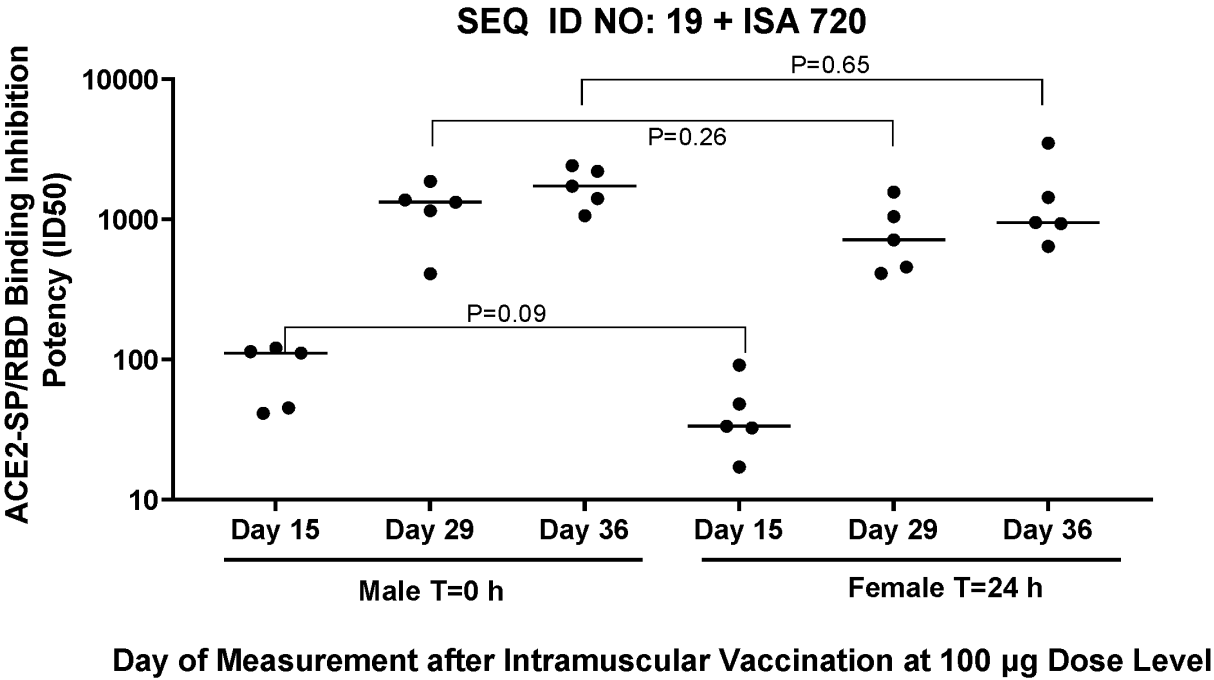


FIG. 77

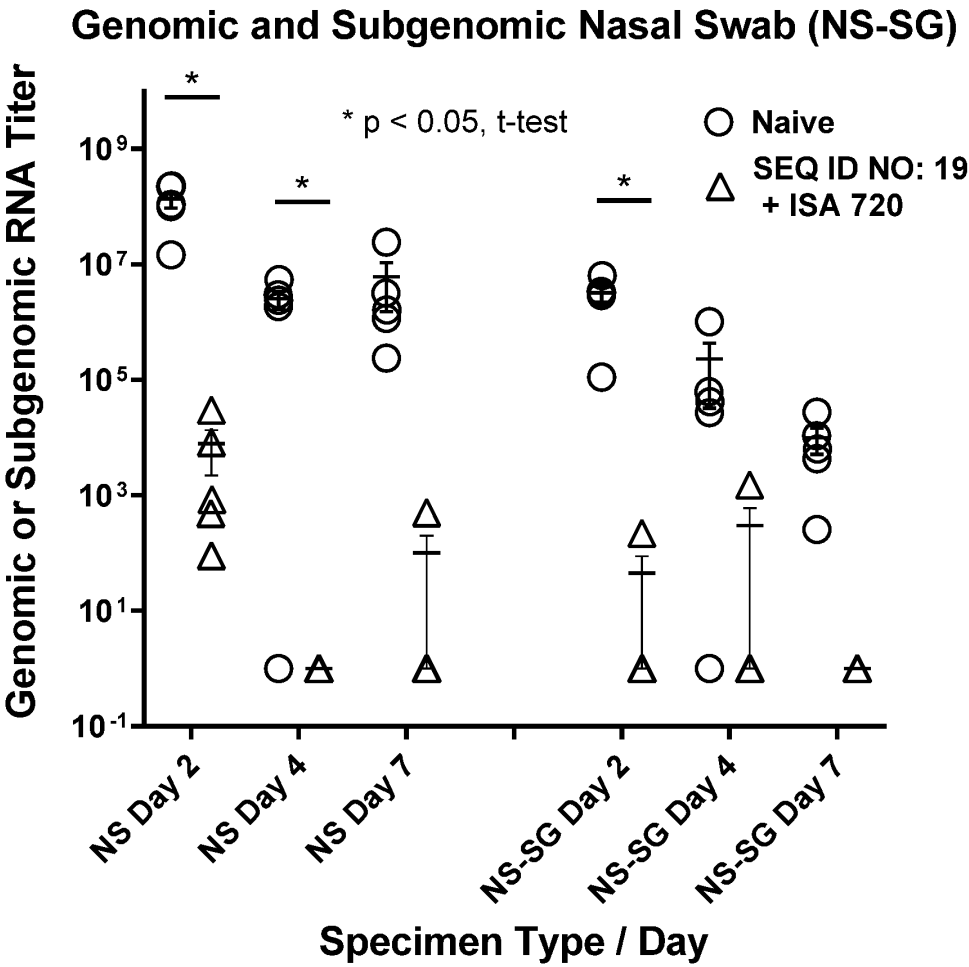


FIG. 78

Genomic and Subgenomic Bronchoalveolar lavage (BAL) Fluids

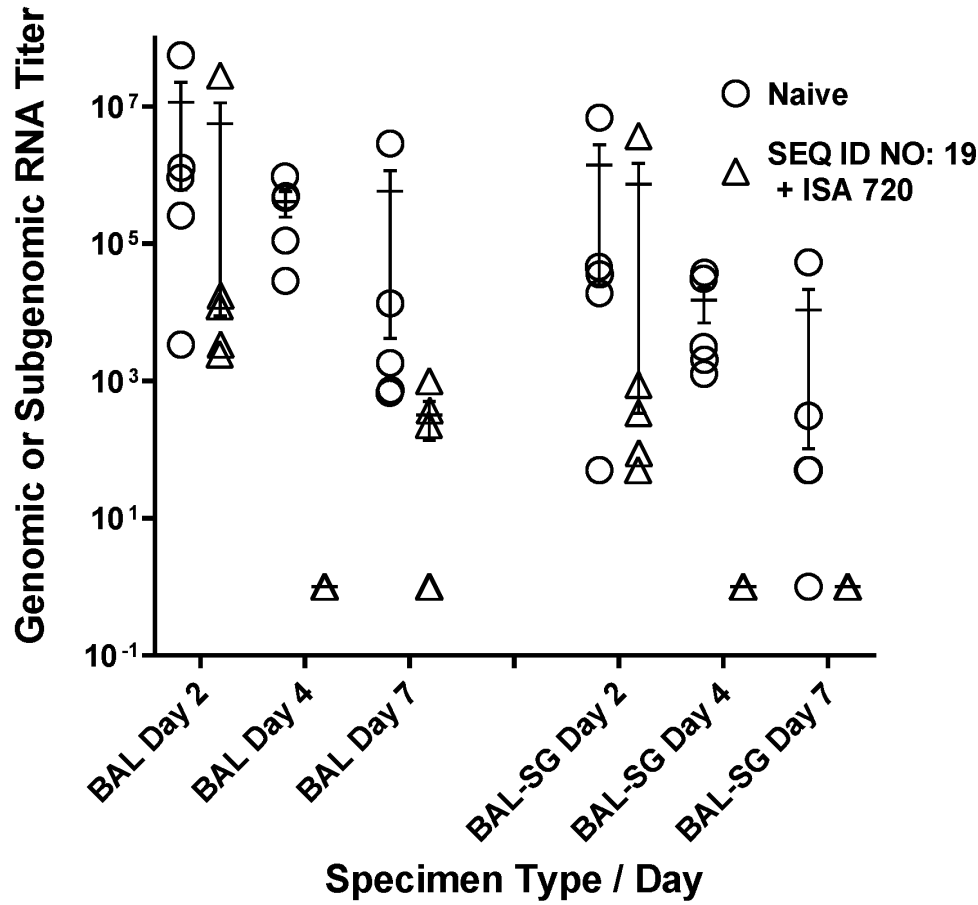


FIG. 79

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SEQ ID NO: 8	-----NITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLNSASFSTFK	48
SEQ ID NO: 9	-----QITNLCPFGEVFQATRFASVYAWNRRKRISNCVADYSVLNSASFSTFK	48
SEQ ID NO: 10	-----	0
SEQ ID NO: 14	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLNSASFSTFK	60
SEQ ID NO: 15	RVQPTESIVRFPNITNLCPFGEVFNATRFASVYAWNRRKRISNCVADYSVLNSASFSTFK	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	NNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQ	168
SEQ ID NO: 9	NNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQ	168
SEQ ID NO: 10	NNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQ	66
SEQ ID NO: 14	NNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQ	180
SEQ ID NO: 15	NNLDSKVGGNYNYLYRLFRKSNLKPFERDISTEIQAGSTPCNGVEGFNCYFPLQSYGFQ	180

SEQ ID NO: 8	PTNGVGYPYRVVLSFELLHAPATV-----194	
SEQ ID NO: 9	PTNGVGYPYRVVLSFELLHAPATV-----194	
SEQ ID NO: 10	PTNGVGYPYRVVLSFELLHAPATV-----92	
SEQ ID NO: 14	PTNGVGYPYRVVLSFELLHAPATVCGPKKSTNLVKNCVNF223	
SEQ ID NO: 15	PTNGVGYPYRVVLSFELLHAPATVCGPKKSTNLVK-----217	

FIG. 80

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	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