FIG. 1

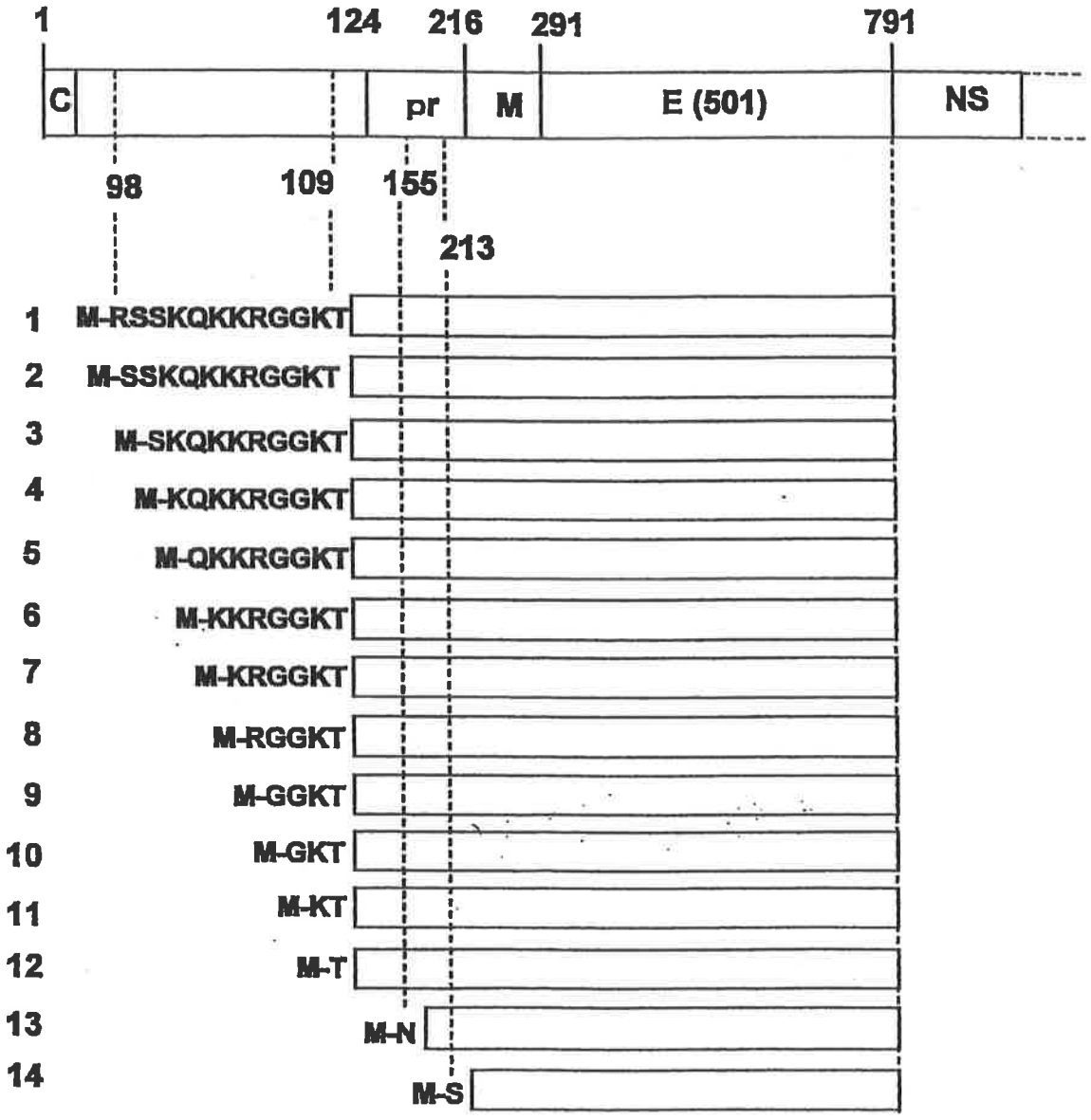

1
124
216
291
791
C
pr
M
E (501)
NS
98
109
155
213
1 M-RSSKQKKRGGKT
2 M-SSKQKKRGGKT
3 M-SKQKKRGGKT
4 M-KQKKRGGKT
5 M-QKKRGGKT
6 M-KKRGGKT
7 M-KRGGKT
8 M-RGGKT
9 M-GGKT
10 M-GKT
11 M-KT
12 M-T
13 M-N
14 M-S

FIG. 2

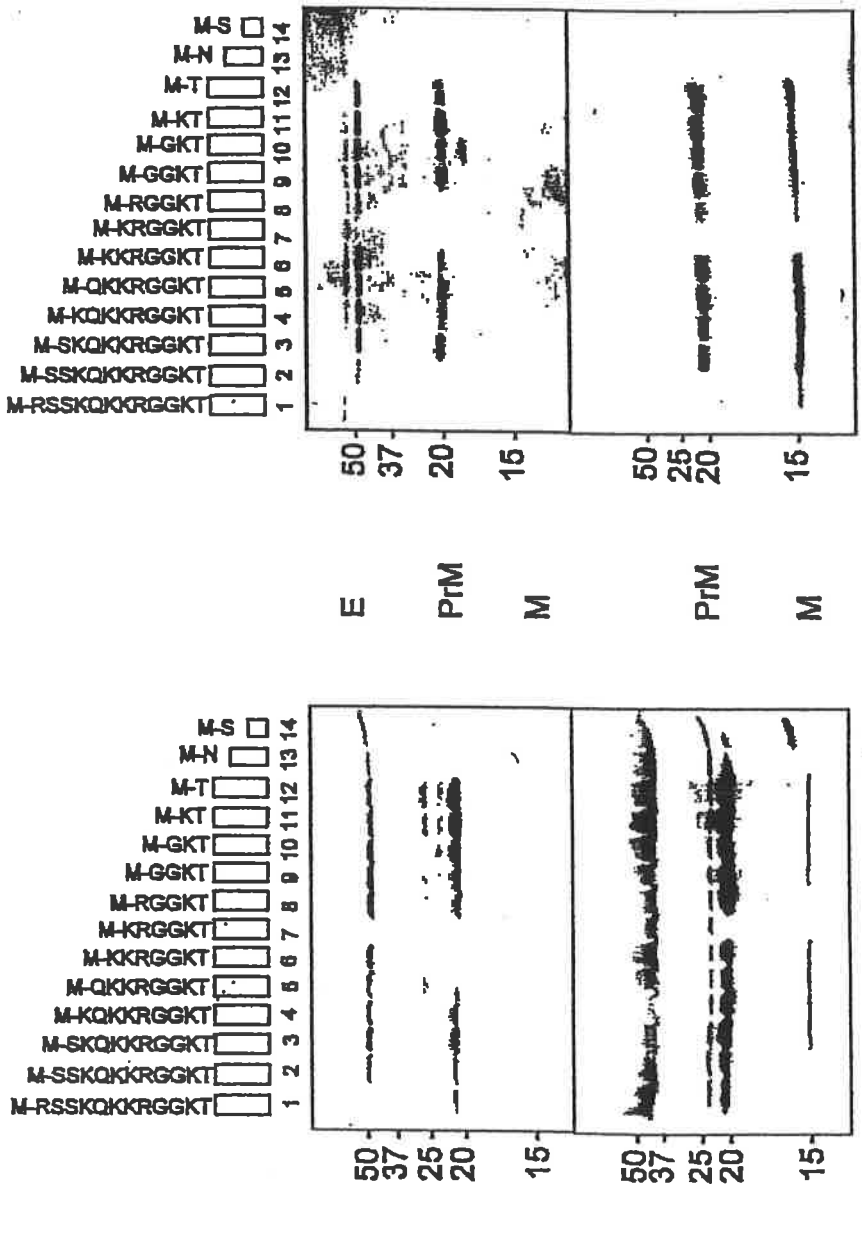

M-RSSKQKKRGGKT
M-SSKQKKRGGKT
M-SKQKKRGGKT
M-KQKKRGGKT
M-QKKRGGKT
M-KKRGGKT
M-KRGGKT
M-RGGKT
M-GGKT
M-GKT
M-KT
M-T
M-N
M-S
1 2 3 4 5 6 7 8 9 10 11 12 13 14
50
37
25
20
15
E
PrM
M
cell extract
virus-like particles
secreted in medium

FIG. 3

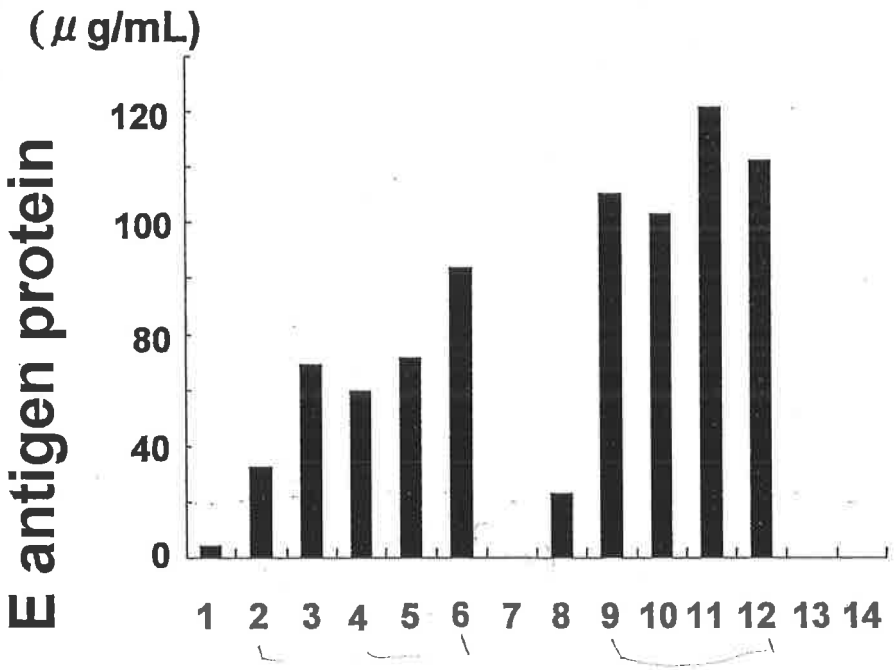

(μg/mL)
E antigen protein
120
100
80
40
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14

FIG. 4

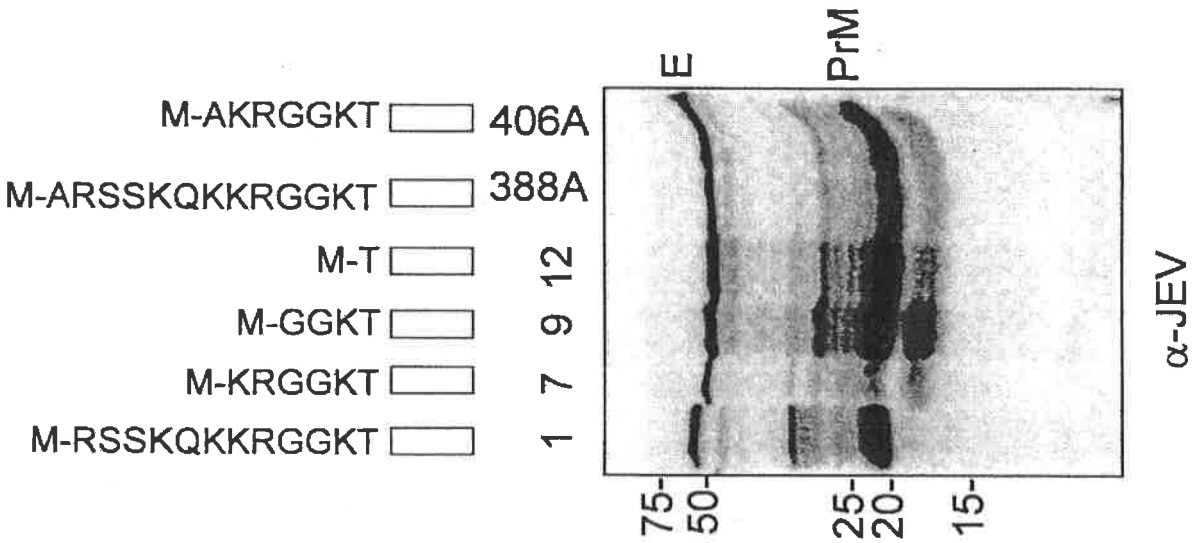

E
PrM
M-AKRGGKT
406A
M-ARSSKQKKRGGKT
388A
M-T
M-GGKT
M-KRGGKT
M-RSSKQKKRGGKT
12
9
7
1
75-
50-
25-
20-
15-
α-JEV

FIG. 5

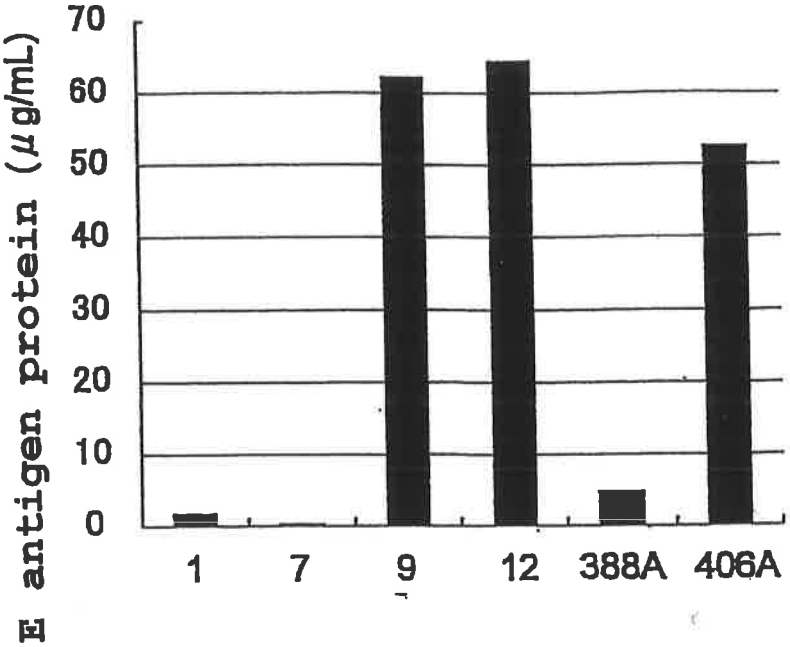

E antigen protein (μg/mL)
70
60
50
40
30
20
10
0
1
7
9
12
388A
406A

FIG. 6

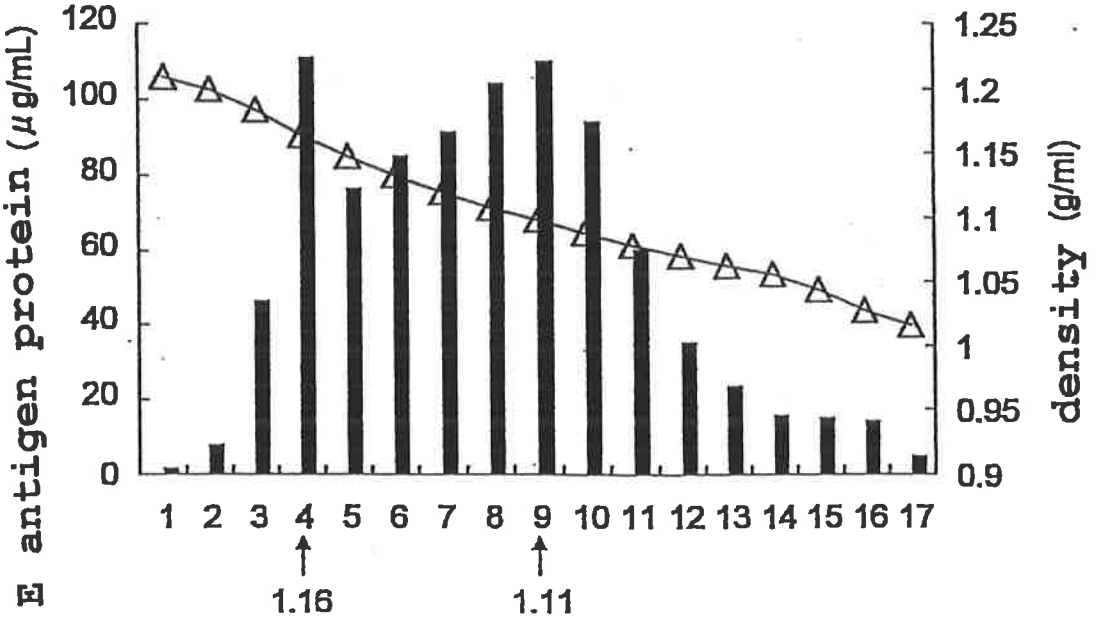

E antigen protein (μg/mL)
120
100
80
60
40
20
0
1.25
1.2
1.15
1.1
1.05
1
0.95
0.9
density (g/ml)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
1.16
1.11

FIG. 7

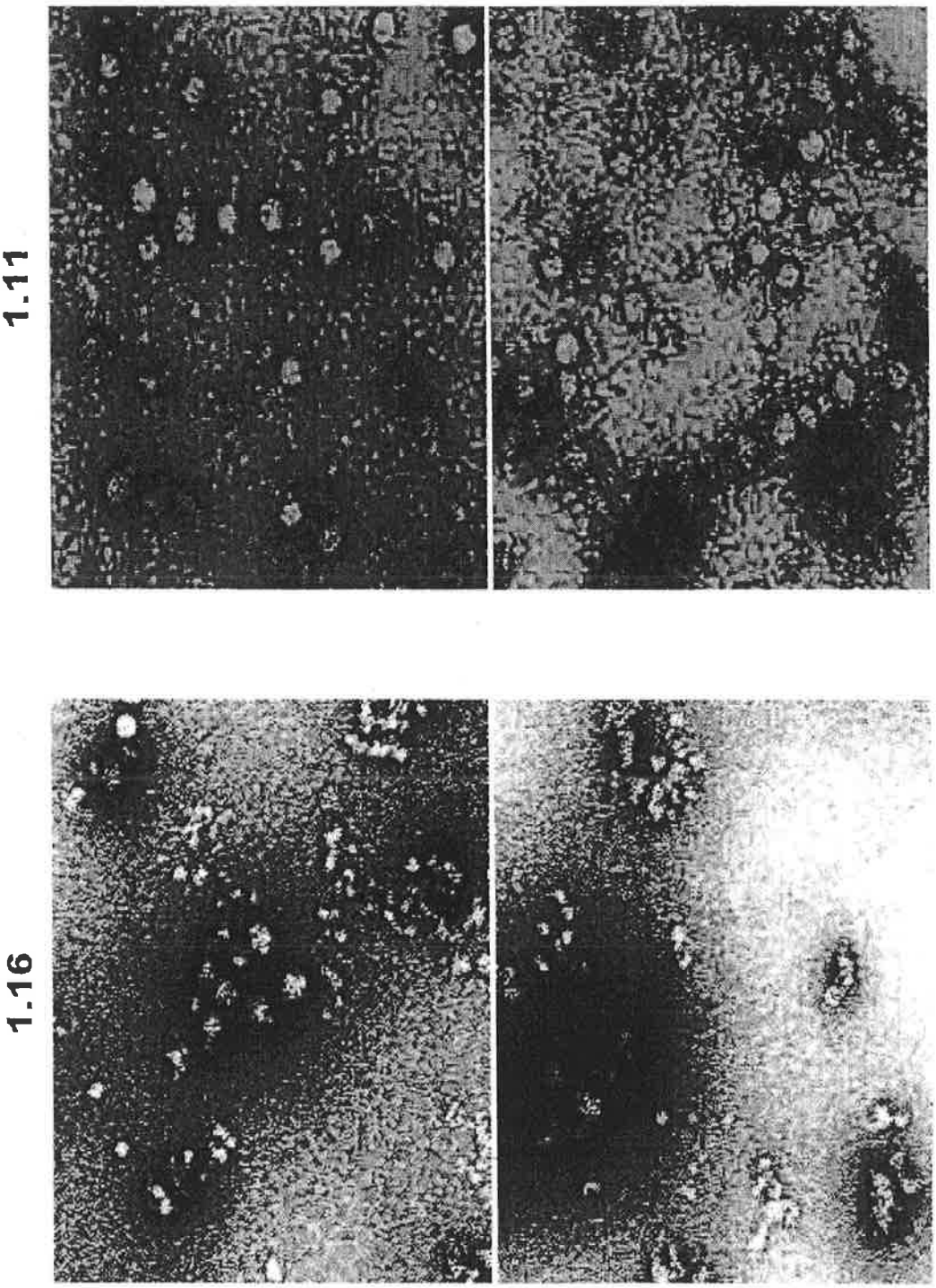


FIG. 8

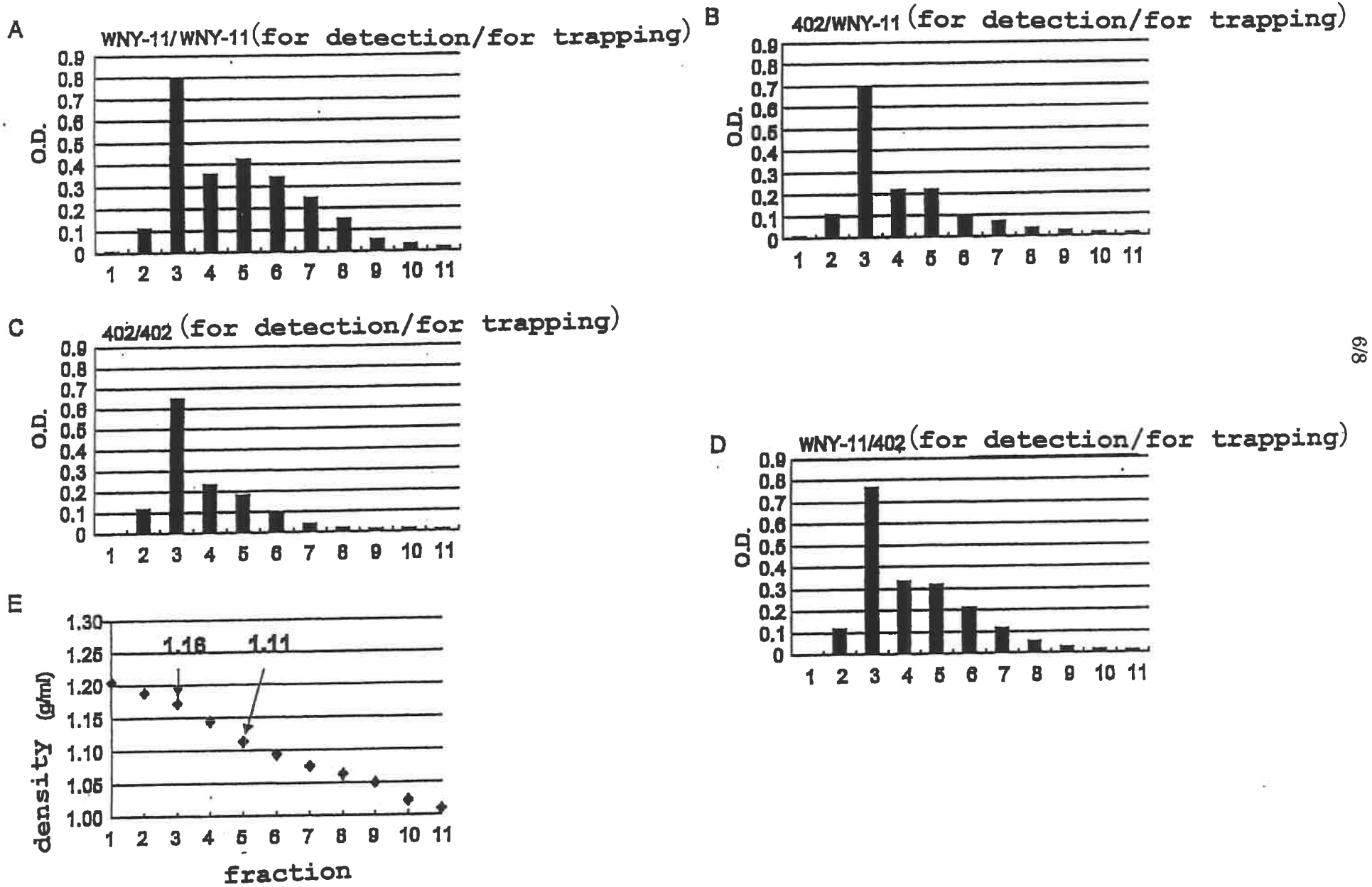

A
WNY-11/WNY-11(for detection/for trapping)
O.D.
B
402/WNY-11 (for detection/for trapping)
O.D.
C
402/402 (for detection/for trapping)
O.D.
D
WNY-11/402(for detection/for trapping)
O.D.
E
density (g/ml)
1.16
1.11
fraction

FIG. 9

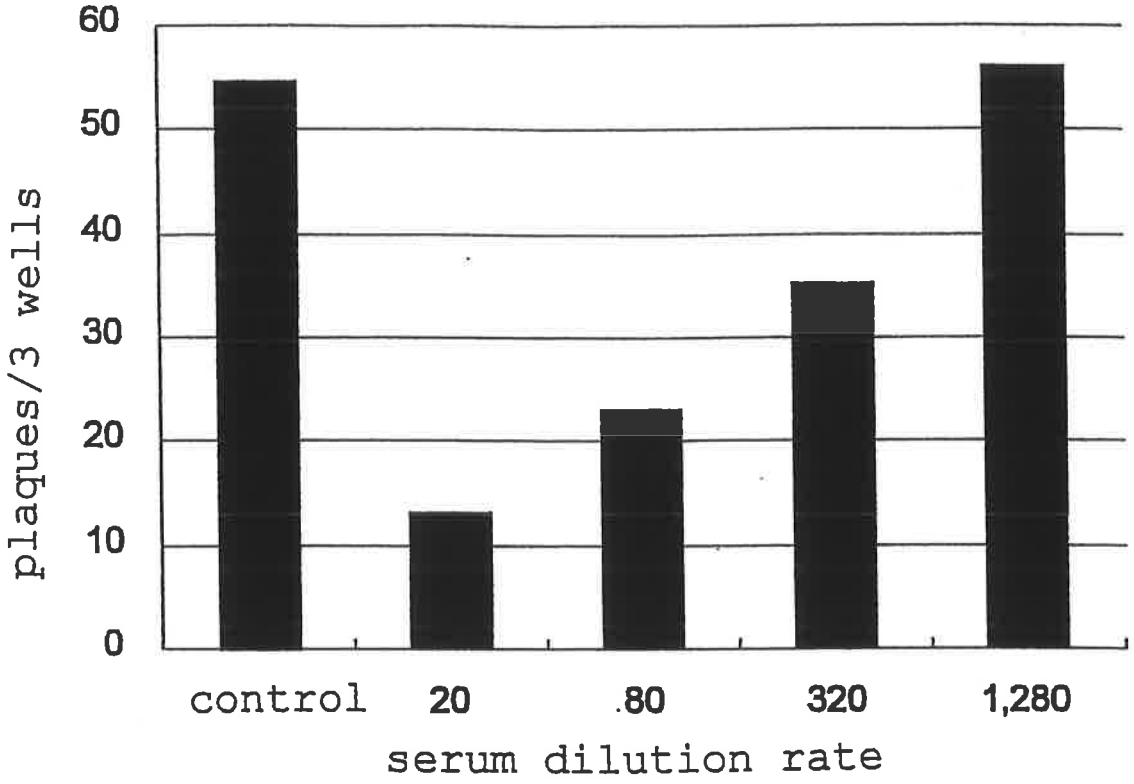
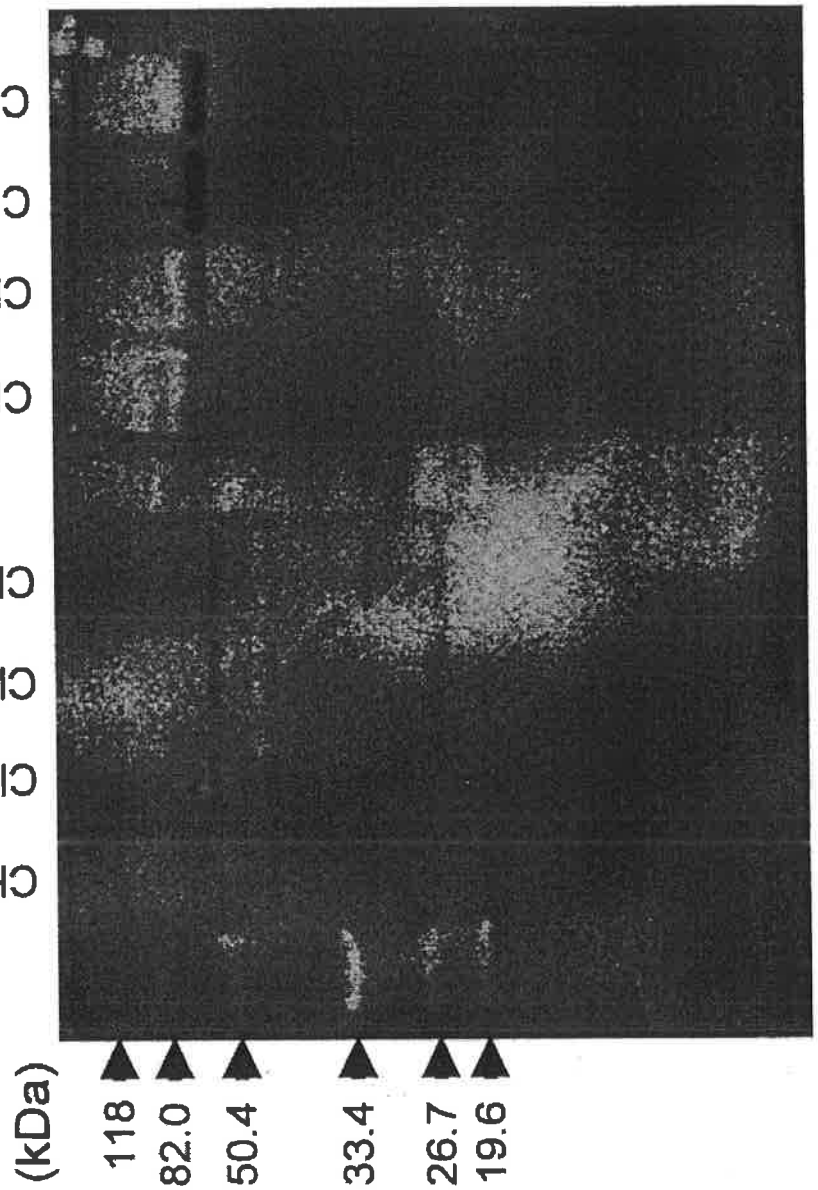

60
50
40
30
20
10
0
plaques/3 wells
control
20
80
320
1,280
serum dilution rate

FIG.10


(kDa)
118
82.0
50.4
33.4
26.7
19.6
cell extract
CHO-K1
Clone #22
Clone #22.6
Clone #22.6.6
culture supernatant
CHO-K1
Clone #22
Clone #22.6
Clone #22.6.6