Figure 1: Epitope mapping by ELISA

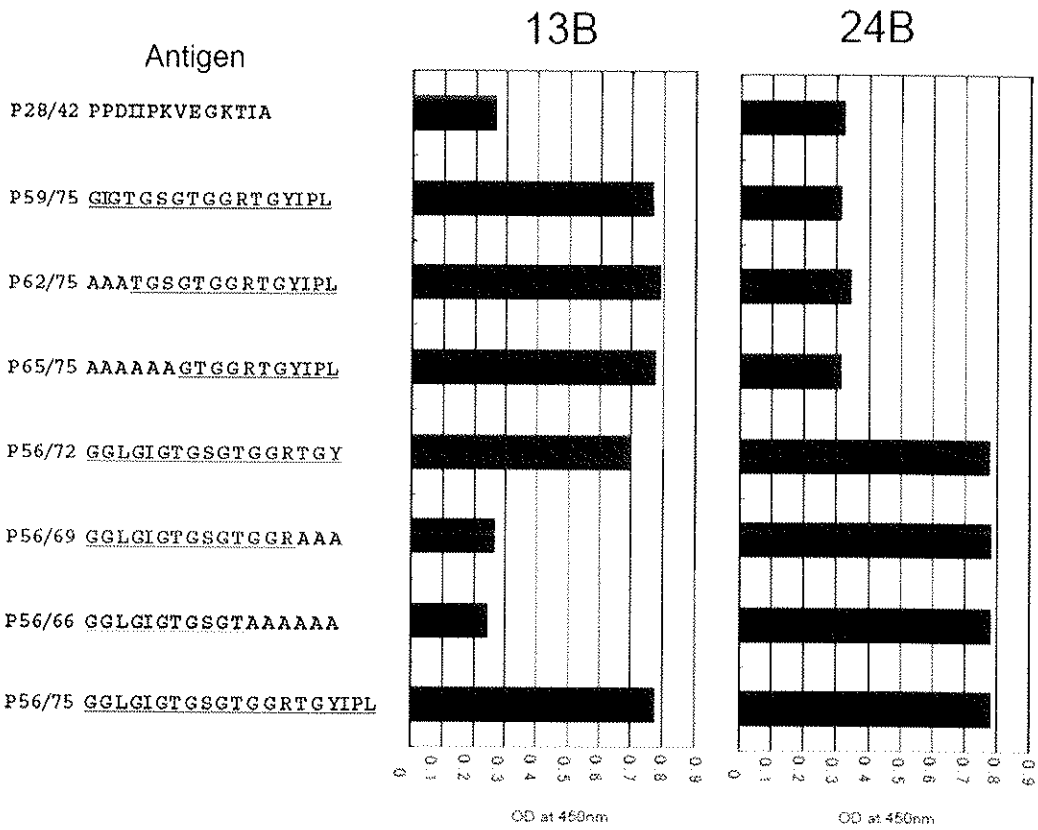


Figure 2: L2 epitopes recognized by monoclonal antibodies 13B and 24B

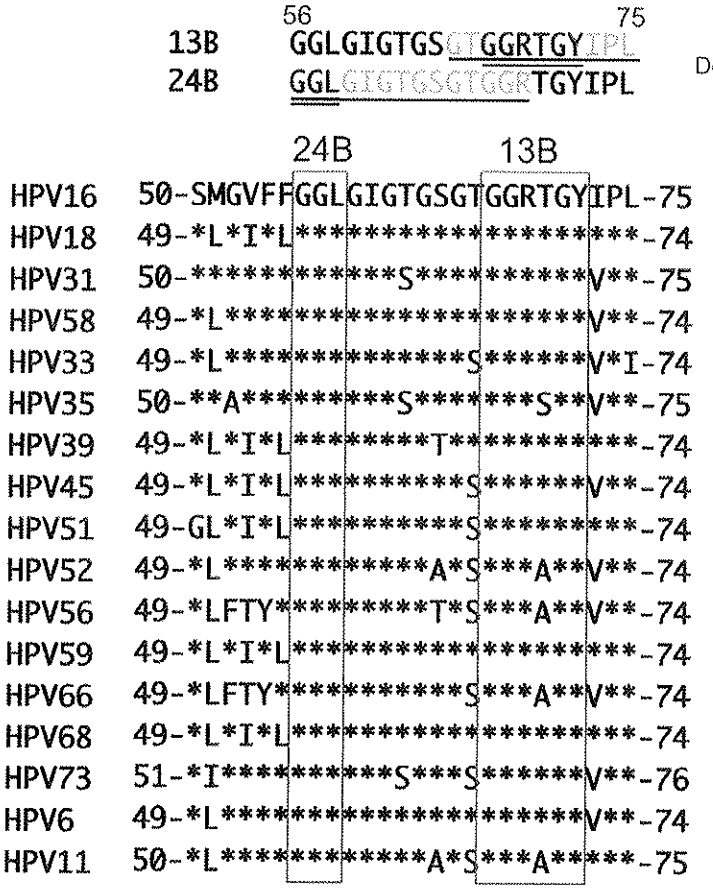


Figure 3: Neutralization of HPV pseudoviruses (PsV) by monoclonal antibodies 13B and 24B

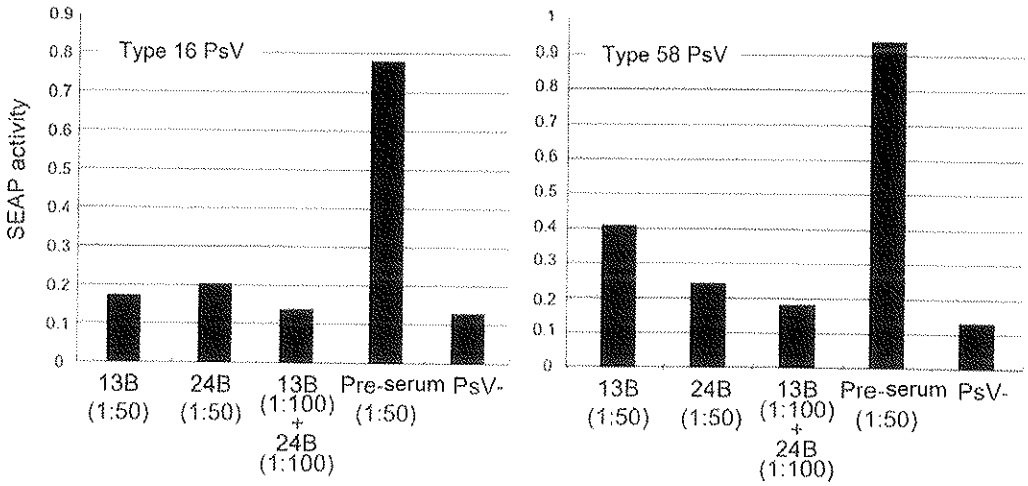


Figure 4: Binding of monoclonal antibodies 13B and 24B to L1/L2-capsids of high-risk types

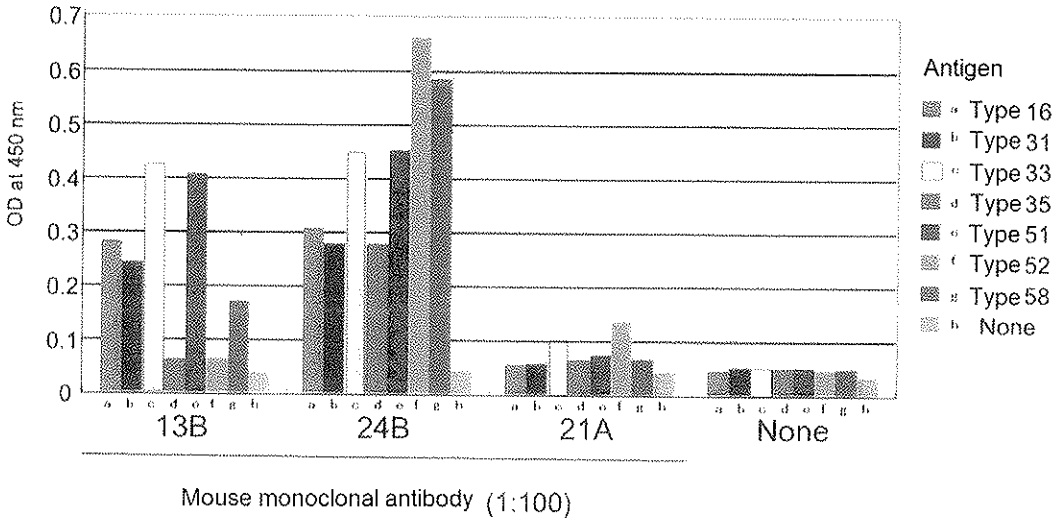


Figure 5

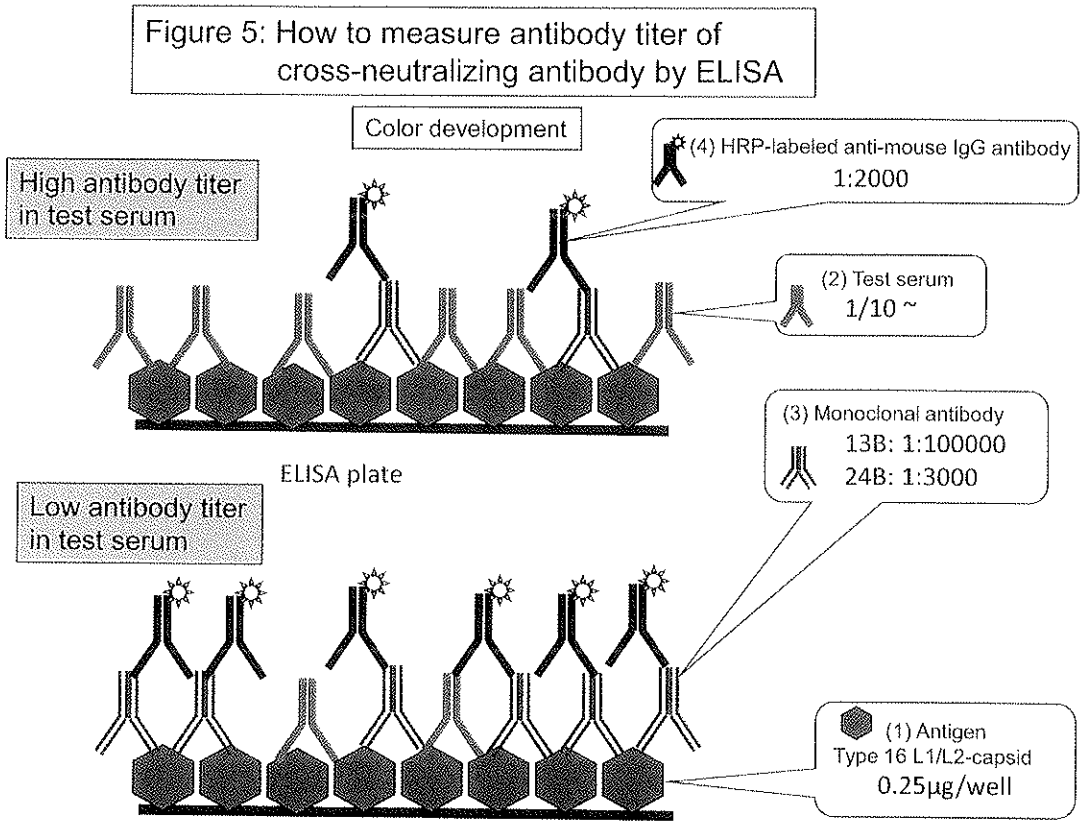

Figure 5: How to measure antibody titer of cross-neutralizing antibody by ELISA
Color development
(4) HRP-labeled anti-mouse IgG antibody
1:2000
High antibody titer in test serum
(2) Test serum
1/10 ~
(3) Monoclonal antibody
13B: 1:100000
24B: 1:3000
ELISA plate
Low antibody titer in test serum
(1) Antigen
Type 16 L1/L2-capsid
0.25μg/well

Figure 6: Induction of cross-neutralizing antibody in rabbits by peptides or chimeric capsid

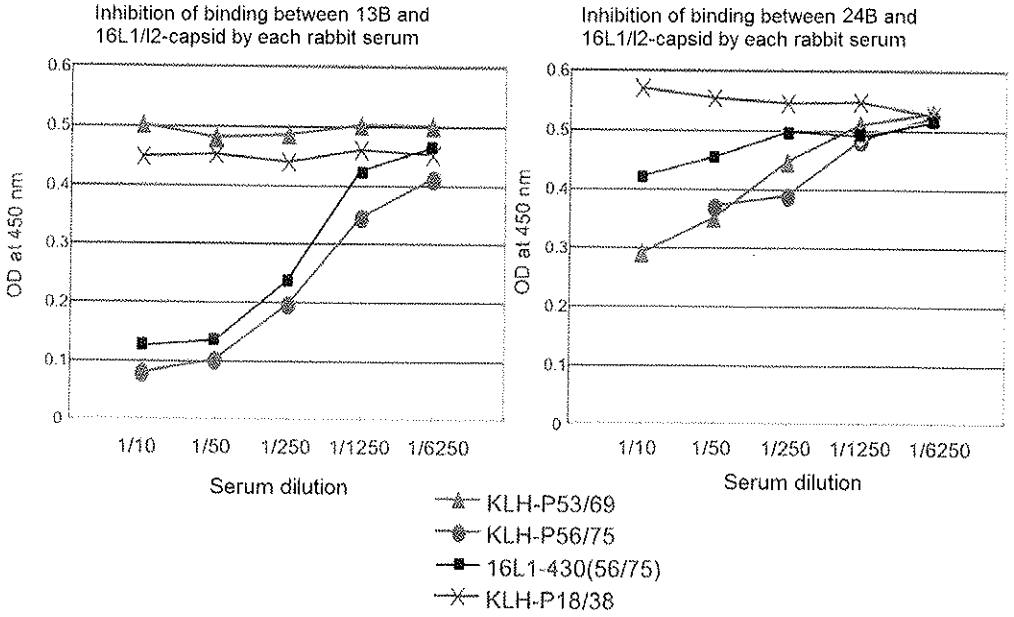
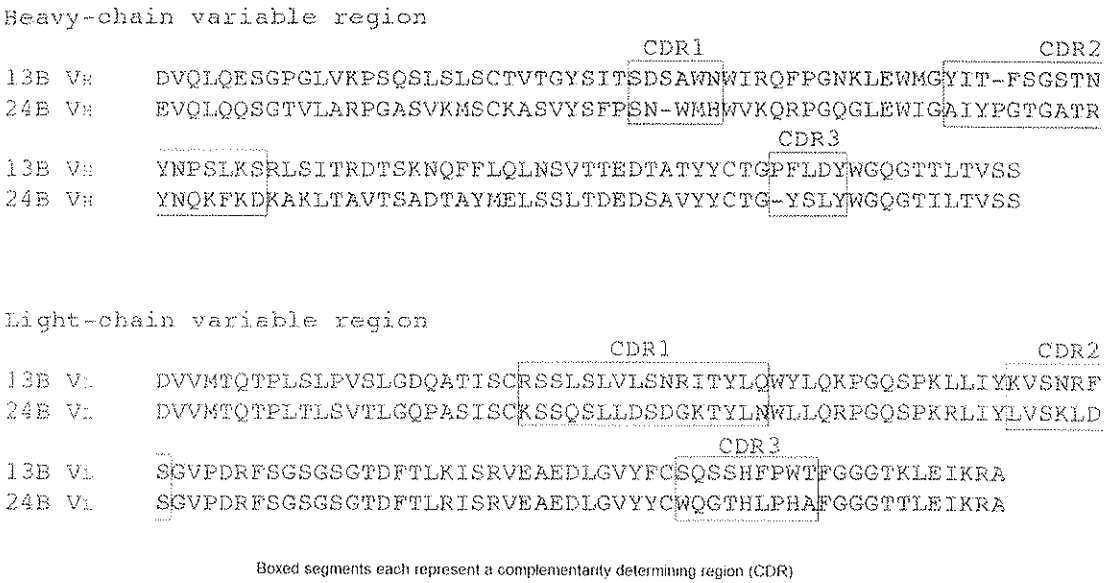


Figure 7



Boxed segments each represent a complementarity determining region (CDR)

Figure 8: Epitope mapping by ELISA

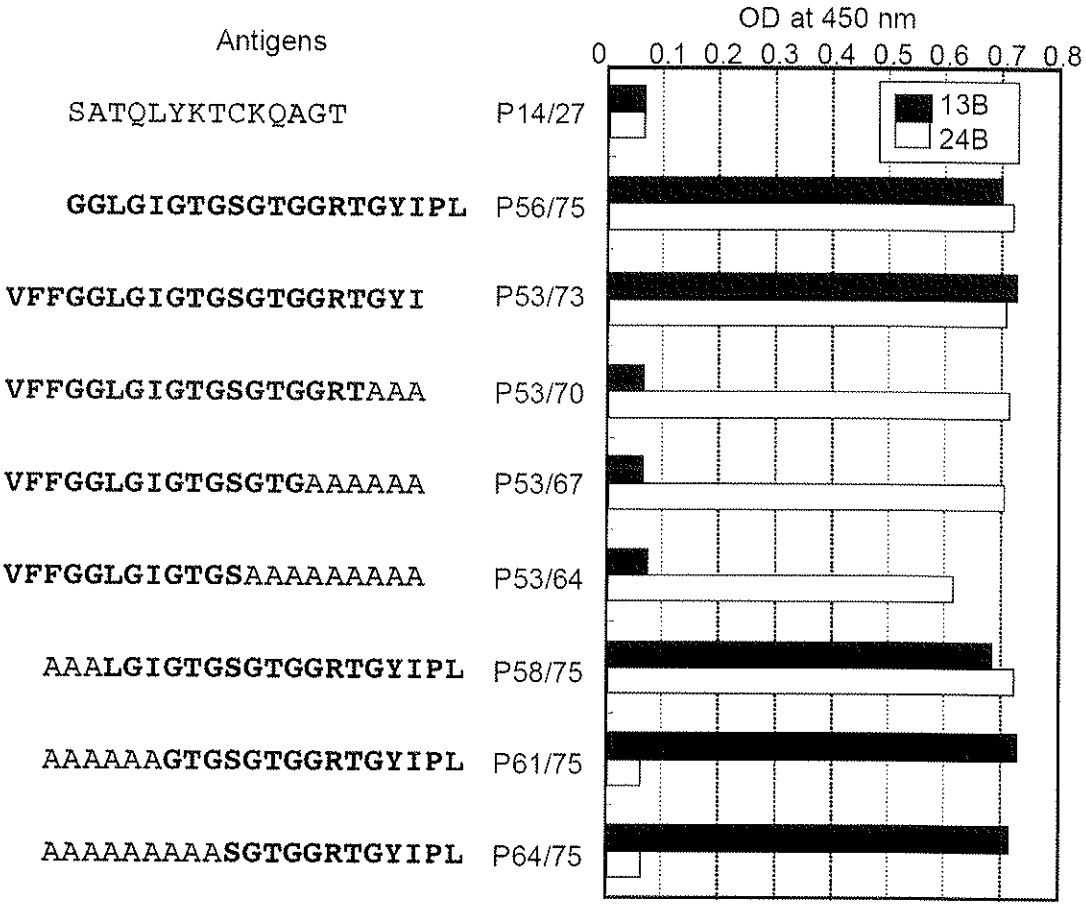
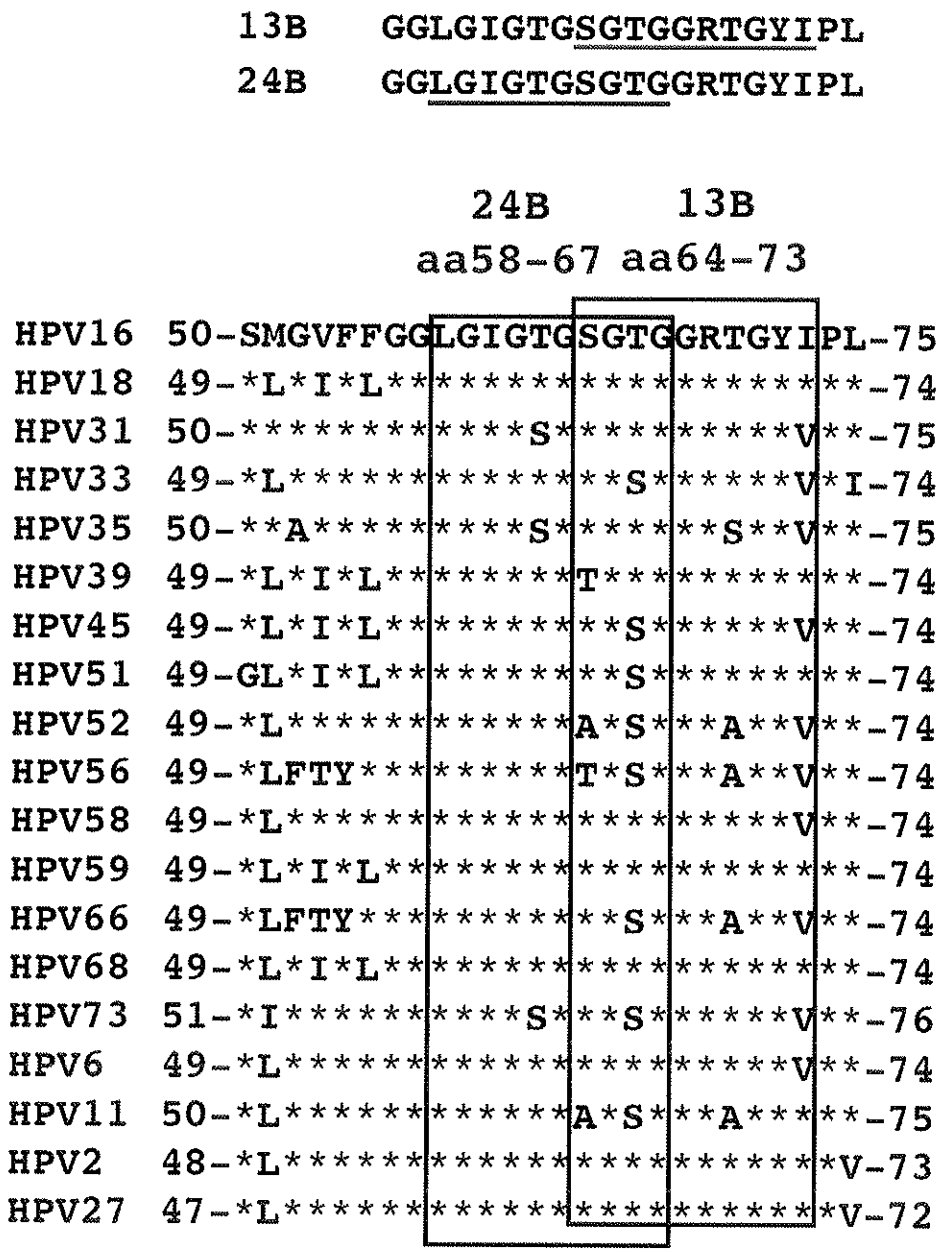


Figure 9: L2 epitopes recognized by monoclonal antibodies 13B and 24B



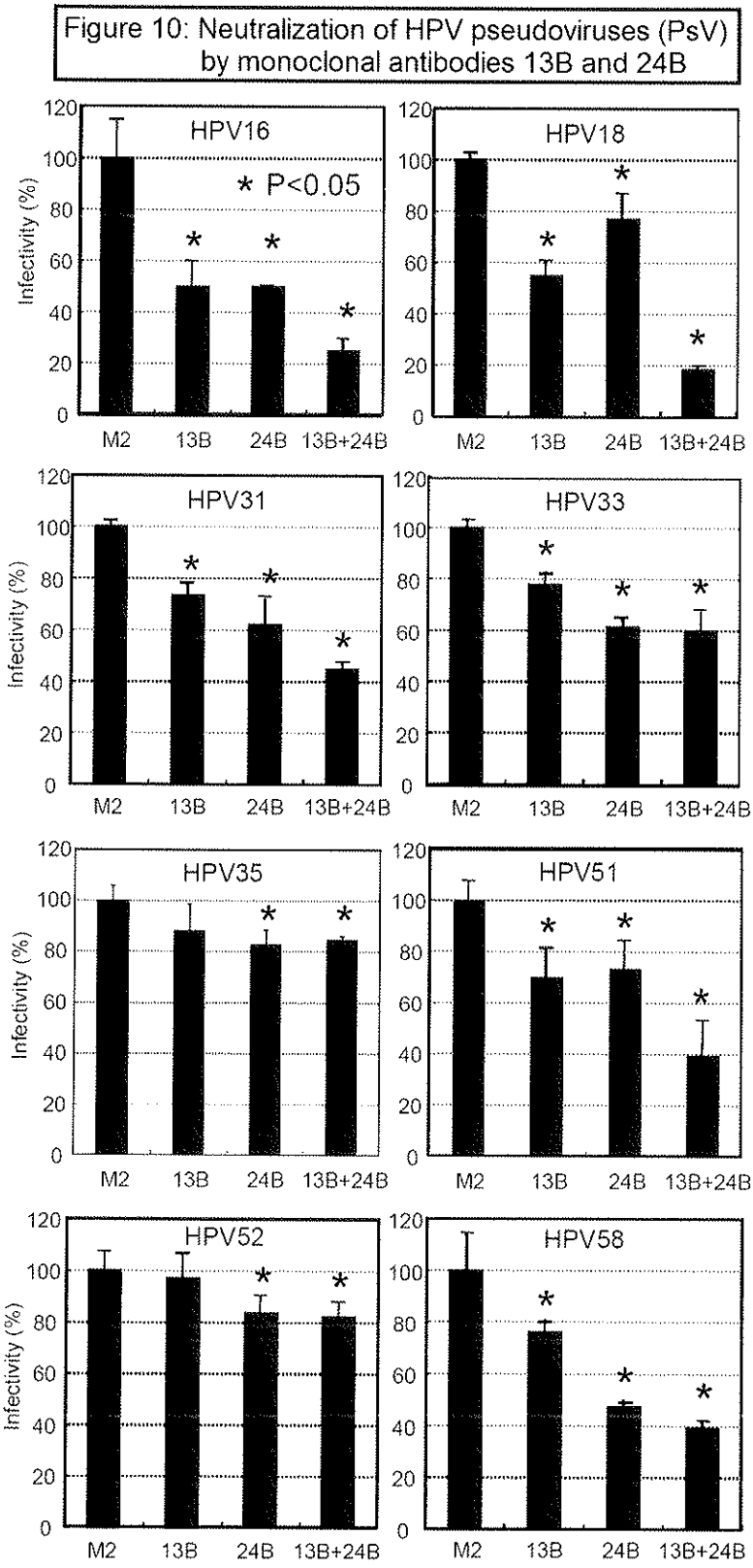

Figure 10: Neutralization of HPV pseudoviruses (PsV) by monoclonal antibodies 13B and 24B
HPV16
* P<0.05
HPV18
HPV31
HPV33
HPV35
HPV51
HPV52
HPV58
Infectivity (%)
0
20
40
60
80
100
120
M2
13B
24B
13B+24B

Figure 11: Binding of monoclonal antibodies 13B and 24B to L1/L2-capsids of high-risk types

