
1 10 20 30 40 50 60 70 80
E.coli LFDFDKATLKPEGQQLLDAIADLLSAIPDNRVLVEGHTDSIGSDEYNQALSERRADSVARYLVSKGVPADRISAVGYGES
Onp3 LFDFDKAVLKPAGKQKLDELAAKIQGMNVEVVVATGYTDRIGSDKYNDRLSLRRAQAVKSYLVSKGVPANKVYTEGKGKR
Onp7 YFDFDSYSVQDQYQALLQQHAQYLKSHPQRHILIQGNTDERGTSEYNLALGQKRAEAVRRALSLLGVGDAQMEAVSLGKE
Consensus lFDFDka.lkp.gqqlL#..A..l...p...!l..G.TD.iGsdeYN.aLs.rRA#aV.ryLvskGVpa....avg.Gk.

Figure 1

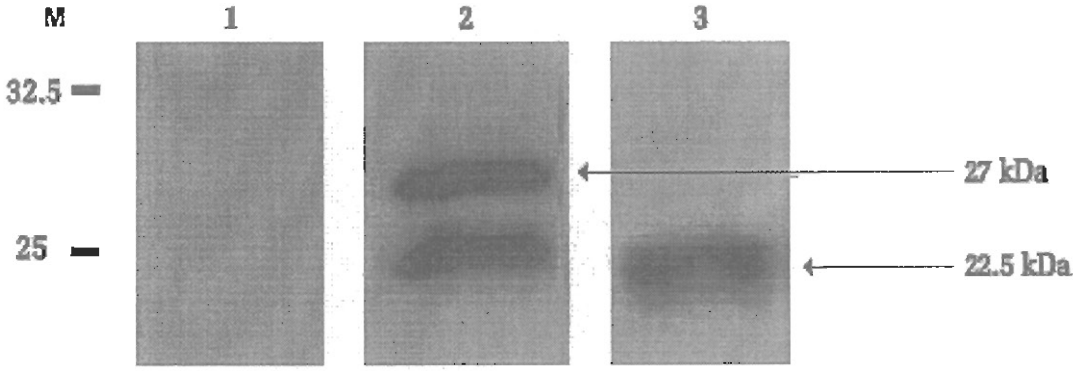


Figure 2

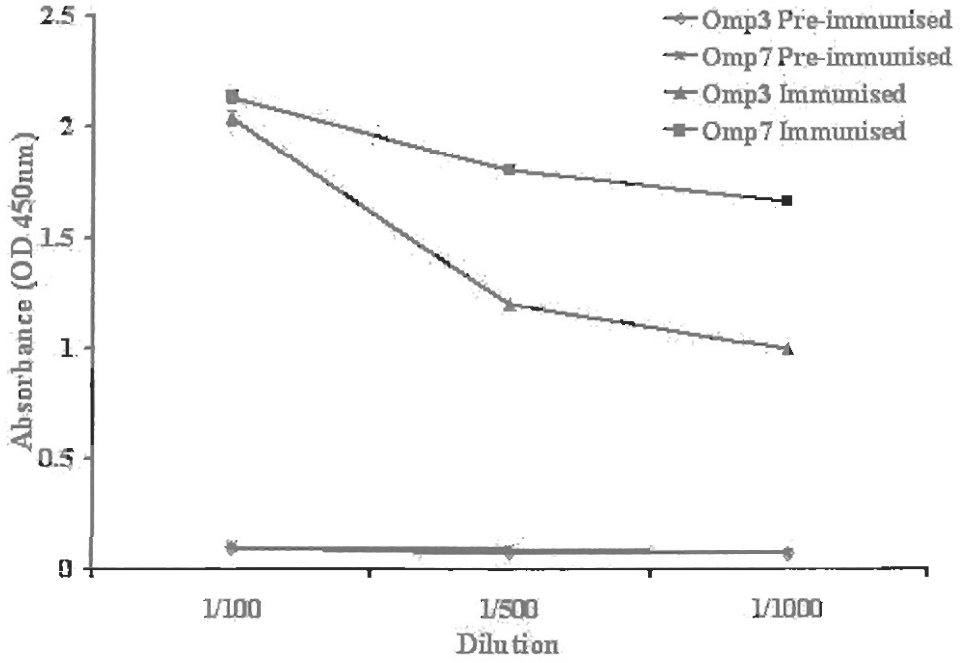

2.5
2
1.5
1
0.5
0
Absorbance (OD 450nm)
1/100
1/500
1/1000
Dilution
Omp3 Pre-immunised
Omp7 Pre-immunised
Omp3 Immunised
Omp7 Immunised

Figure 3

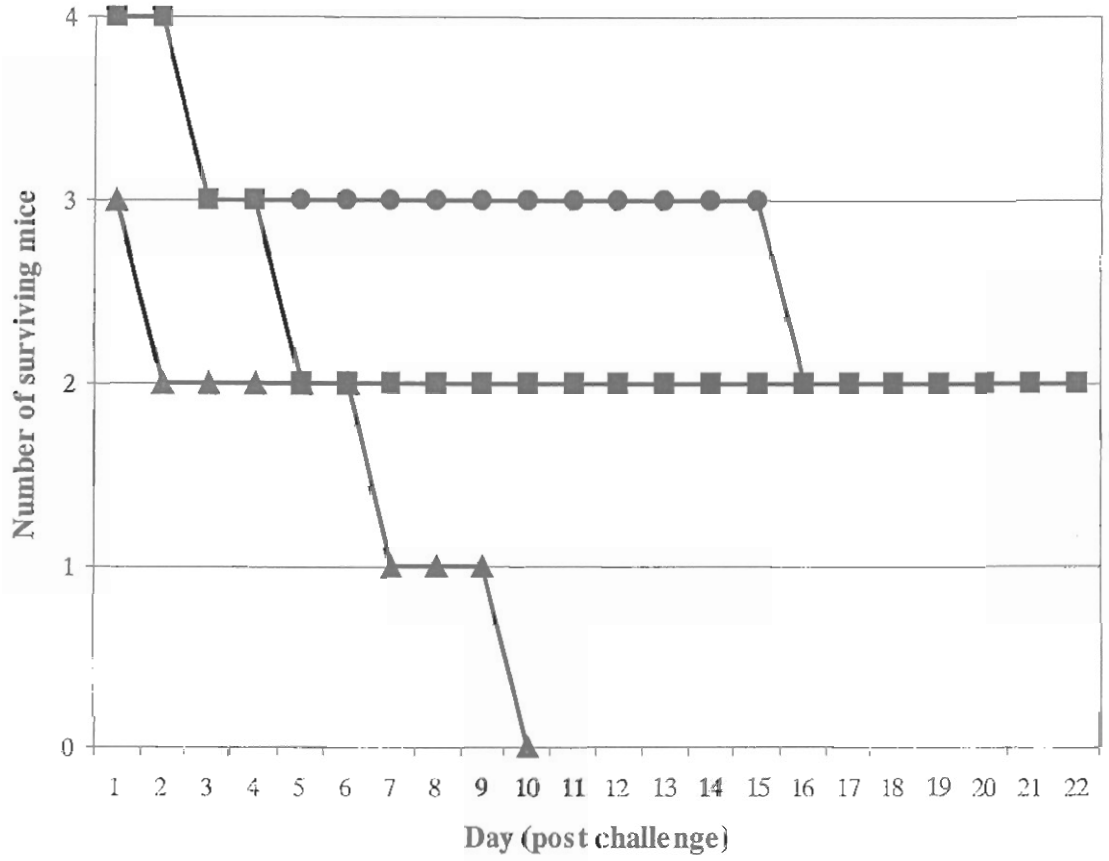

Number of surviving mice
0
1
2
3
4
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
Day (post challenge)

Figure 4