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Immunization with Major Outer Membrane Protein of *Vibrio vulnificus* Elicits Protective Antibodies in a Murine Model

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Sera from rabbits were infected with *Vibrio vulnificus* containing an antibody against major outer membrane protein (MOMP). MOMP of *V. vulnificus* ATCC 27562 were isolated and purified by Sarkosyl and TritonX-100 dual treatment. Molecular size of MOMP was identified as 36-kDa on 13% SDS-PAGE. The sequence of the first 26 amino acid residues from the N-terminal end of the protein is AELYNQDGTSLDM GGRAEARLSMKDG, which is a perfect match with OmpU of *V. vulnificus* CMCP6 and YJ016. MOMP specific IgM and IgG were investigated in groups of mice. The group of mice immunized with MOMP and Alum showed higher levels of IgG2b than the group immunized with only MOMP. Vaccination with MOMP resulted in protective antibodies in the mouse infection experiment.