



Additional file 1: Figure S1

Western blot analysis of expressed PfCelTOS in *E. coli*.

Western blot analysis of rPfCelTOS using pooled sera derived from the immunized mice with rPfCelTOS (groups 1–5) showed that anti-rPfCelTOS IgG antibodies recognized the purified rPfCelTOS antigen (a single band with a molecular mass of ~ 20 kDa, lane 1). Molecular weight marker (MW, Thermo Fisher Scientific, USA) was shown in lane 2. There was no recognition of rPfCelTOS by normal mouse sera (lane 3), indicating rPfCelTOS-specific responses.