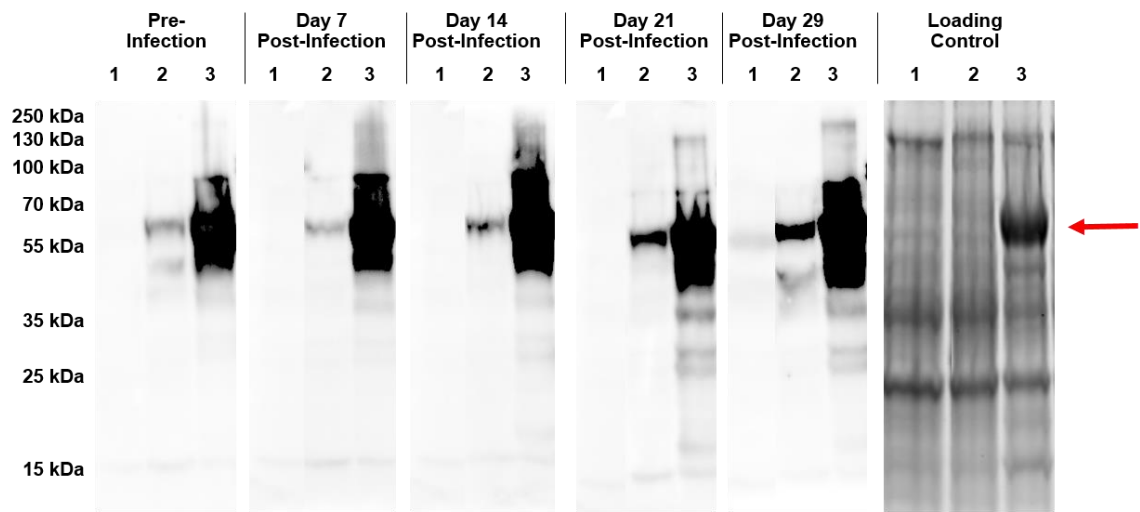
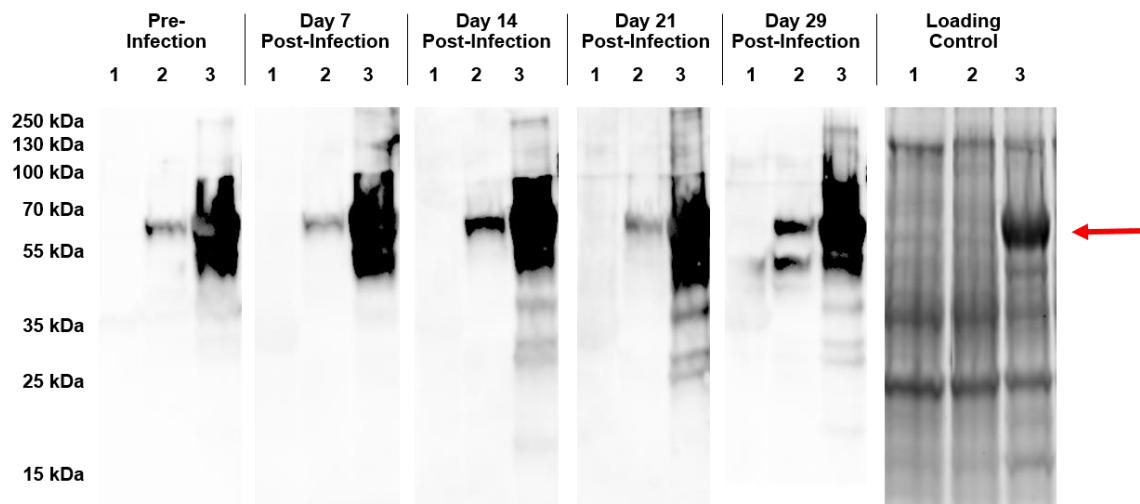


A**B**

Additional file 7: One-dimensional serum blots of *E. coli* BL21 (DE3) overexpressing recombinant IsdA.

Membranes were probed using sera from **(A)** cow 604 (MOK023 infected) and **(B)** cow 504 (MOK124 infected). Lane 1 = No plasmid control, Lane 2 = Uninduced control and Lane 3 = Induced with 100 μ M IPTG for 3 h.