





Figure S1. Western blot analyses of selected Australian paired sera (n = 16) and ELISA control samples using the S-vspA-RA1 and SUMO-CAT polypeptides. Animal numbers are shown with postscripts indicated the day of serum collection, Day 0 (D0) and Day 24 (D24). The 100 kDa, 50 kDa, 37 kDa, 25 kDa and 20 kDa molecular markers (kDa) are shown. (A) Reactivity to S-vspA-RA1 and (B) Reactivity to SUMO-CAT: Lane 1 APCA3_D0; Lane 2 APCA3_D24; Lane 3 APCA5_D0; Lane 4 APCA5_D24; Lane 5 APCA7_D0; Lane 6 APCA7_D24; Lane 7 APCA8_D0; Lane 8 APCA8_D24. (C) Reactivity to S-vspA-RA1 and (D) Reactivity to SUMO-CAT: Lane 1 APCA9_D0; Lane 2 APCA9_D24; Lane 3 APCA10_D0; Lane 4 APCA10_D24; Lane 5 APCA13_D0; Lane 6 APCA13_D24; Lane 7 APCA18_D0; Lane 8 APCA18_D24. (E) Reactivity to S-vspA-RA1 and (F) Reactivity to SUMO-CAT: Lane 1 APCA20_D0; Lane 2 APCA20_D24; Lane 3 APCA21_D0; Lane 4 APCA21_D24; Lane 5 APCA22_D0; Lane 6 APCA22_D24; Lane 7 APCA23_D0; Lane 8 APCA23_D24. (G) Reactivity to S-vspA-RA1 and (H) Reactivity to SUMO-CAT: Lane 1 APCA24_D0; Lane 2 APCA24_D24; Lane 3 APCA26_D0; Lane 4 APCA26_D24; Lane 5 APCA30_D0; Lane 6 APCA30_D24; Lane 7 APCA31_D0; Lane 8 APCA31_D24. (I) Reactivity to S-vspA-RA1 and (J) Reactivity to SUMO-CAT of selected control antibodies: Lane 1 Hexa-histidine monoclonal antibody; Lane 2 SMYC09128 Negative; Lane 3 SMYC09128 Positive; Lane 4 MYC13K26 Negative; Lane 5 MYC13K26 Positive; Lane 6 SMYC13K26 Negative; Lane 7 SMYC13K26 Positive; Lane 8 IBRPM12F04 Positive.



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