Supplementary Table 1. ELISA reagent details

Antigen	Antigen concentration (µg/mL)	Primary antibody	Primary antibody dilution	Secondary antibody dilution
SD1ss	1.0	3D10	Titration	1/3,000
		Sal 1 mouse IgG	5.0 µg/mL	
		Human sera	1/200	1/30,000
		Human IgG	5.0 µg/mL	
		Anti-VARCSA rabbit serum	1/750	1/3,000
DBPII	0.5	3D10	0.43 µg/mL	1/3,000
		Sal 1 mouse IgG	0.10 µg/mL	
		Human sera	1/100	1/40,000
		Human IgG	5.0 µg/mL	
$C_{29} - K_{40}$	5.0	3D10	4.3 µg/mL	1/3,000
VAR2CSA	1.0	3D10	8.6 µg/mL	1/3,000
		Sal 1 mouse IgG	5.0 µg/mL	
	0.5	Mouse serum	1/250	1/3,000
		Human sera	1/500*	1/6,000
		Human sera	1/1000	1/15,000
		Human IgG	5.0 µg/mL	
		Anti-VARCSA rabbit serum	1/750	1/3,000
		Anti-VARCSA rabbit serum	1/200**	1/3,000
EBP2	0.5	Human sera	1/200	1/40,000
		Human IgG	5.0 µg/mL	
PfMSP1	0.5	Human IgG	5.0 µg/mL	1/40,000
DBL5ε	0.5	3D10	4.0 µg/mL	1/3,000
DBL5ε peptides	5.0	3D10	0.86 µg/mL	1/3,000
		Human sera	1/200	1/40,000
		Anti-VARCSA rabbit serum	1/750	1/3,000

*Human sera were tested against VAR2CSA at a dilution of 1/500 in ELISAs performed in Brazil (Figure 2D).

**Rabbit sera were used at a dilution of 1/200 for antibody competition ELISAs (Figure 6C-E).