

Table S1. BmGPAC assay on plasma from mice before or after inoculation with 10^6 *B. microti* -infected RBCs. The data represent average of 5 mice in each group. SW: Swiss Webster, M: male mice, F: female mice. PB: Plasma 4 days before parasite inoculation; D0: plasma collected 6h post-inoculation; D4 -D42: plasma collected at different days post-inoculation. TX: Oral administration of ELQ334 (10 mg/kg) + atovaquone (10 mg/kg) from days 4 to 11.

Mice group	Day of plasma collection and concentration of BmGPI12 (pg/ μ l)											
	PB	D0	D4	D7	D11	D14	D18	D21	D25	D28	D31	D42
SW-M	0	24.4	31.2	36.4	44.1	36.6	33.8	30.6	28.2	19.1	16.4	1.5
SW-F	0	20.8	28.9	32.5	36.5	43.4	39.4	35.6	32.7	19.4	8.3	0.8
BALB/c- M	0	25	34	36	39	40	37	34	32	30	8	2
BALB/c- F + TX	0	27	32	38	62	33	22	15	13	11	3	0
BALB/c -F	0	25	29	34	36	35	33	32	29	15	10	3

Table S2. Real time PCR Ct values on DNA isolated from mice before or after inoculation with 10^6 *B. microti* -infected RBCs. SW: Swiss Webster, M: male mice, F: female mice. D0: Blood collected 6h post-inoculation; D4 -D42: Blood collected at different days post-inoculation. TX: Oral administration of ELQ334 (10 mg/kg) + atovaquone (10 mg/kg) from days 4 to 11. The data represent average of 5 mice in each group.

Mice Group	Day of plasma collection and RT-PCR Ct values										
	D0	D4	D7	D11	D14	D18	D21	D25	D28	D31	D42
SW-M	41	36	31	22	22	22	21	25	30	30	29
SW-F	34	32	24	20	19	25	23	25	29	32	28
BALB/c- M	38	31	25	22	24	27	30	32	29	33	31
BALB/c- F +TX	38	34	26	24	30	35	39	38	40	43	39
BALB/c -F	42	32	30	27	22	22	26	32	31	31	30

Table S3. Parasitemia for each experimentally infected mouse following inoculation of Swiss-Webster (SW) mice with 10^6 *B. microti* -infected RBCs. Parasitemia is given as a percentage of infected RBCs from an average of 5000 RBCs counted.

Day of collection	Parasitemia for each mouse in %								
	SW -M1	SW-M2	SW-M3	SW-M4	SW-F1	SW-F2	SW-F3	SW-F4	SW-F5
D4	0.03	0.05	0.12	0.06	0.117	0.07	0.1	0.07	0
D7	1.22	0.17	0.23	0.52	0.38	0.56	0.3	0.54	0.6
D11	50	21.11	20	20.8	12.7	12.6	9	20	13.8
D14	14.33	12	15	31.87	55.7	50	53.2	12	36
D18	2.03	3.21	7.52	1.16	4.47	27	0.28	8.3	15.48
D21	0.73	1.21	7.5	1.52	1.52	2.28	0	6.28	11.42
D25	0.25	0	7.12	0.16	0.16	1.02	0	0.11	0.66
D28	0	0	1.88	0	0	0	0	0	0
D31	0	0	0	0.03	0	0	0	0	0
D35	0	0	0	0	0	0	0	0	0

Table S4. BmGPAC assay results for IFA negative and positive sera from wild mice.

Wild Mice	BmGPI12 concentration (pg/ μ l)	
	IFA positive	IFA negative
1	3.29	0
2	17.77	0
3	17.61	0
4	20.63	0
5	48.23	0
6	7.9	0.34
7	1.58	0
8	1.28	0
9	20.44	0
10	0	0
11	5.13	0
12	17.08	0
13	23.79	0
14	14.19	0
15	24.03	0
16	15.88	0
17	23.66	0
18	17.67	0
19	21.05	0
20	21.89	0
21	66.18	0.52
22	44.13	0
23	83.87	2.65
24	44.9	0
25	35.99	0
26	36.53	0
27	24.12	0
28	28.9	0.88
29	36.09	0
30	17.99	0
31	59.03	0
32	37.76	0
33	42.5	0.41
34	49.02	0

Wild Mice	BmGPI12 concentration (pg/μl)	
	IFA positive	IFA negative
35	14.63	0
36	54.79	0
37	40.29	0
38	51.71	0
39	40.83	0
40	41.41	
41	8.7	
42	8.69	
43	6.39	
44	22.21	