

**Supplementary Table 1: Lesion volumes in dependence of brain region, strain, gender, and antibody dose.**

Antibody	D13			ICSM-18								POM1
Affinity (nM)	3.3 (41)*			0.13 (17)*								0.58 *
Brain region	CA1	CA1	CA1	CA1	CA1	CA3	CA3	CA3	CA3	CA3	CA3	CA3
Dose ( $\mu\text{g}$ ) / ( $\mu\text{M}$ )	2 / 6.6	6 / 20	12 / 40	6 / 20	6 / 20	2 / 6.6	6 / 20	6 / 20	6 / 20	6 / 20	6 / 20	6 / 20
Strain **	BL6	BL6	BL6	BL10	<i>tga20</i>	BL10	BL10	BL6	BL6	<i>tga20</i>	<i>Prnp<sup>0/0</sup></i>	BL6
<i>Prnp</i> gene dosage	+/+	+/+	+/+	+/+	+++	+/+	+/+	+/+	+/+	+++	Null	+/+
Gender	m	m	m	f	f	f	f	m	f	m	f	m
Lesioned vs. injected mice	0/5	4/5	4/5	1/4	3/3	0/3	3/4	3/4	4/4	3/3	0/4	3/4
Lesion volume ( $\text{mm}^3$ avg $\pm$ SD)	0.03 $\pm$ 0.02	3.74 $\pm$ 3.36	12.27 $\pm$ 17.24	0.09 $\pm$ 0.09	1.54 $\pm$ 1.64	0.04 $\pm$ 0.04	0.26 $\pm$ 0.15	0.41 $\pm$ 0.17	0.65 $\pm$ 0.59	4.40 $\pm$ 2.21	0.03 $\pm$ 0.02	0.23 $\pm$ 0.15
Parameters for $\log_{10}$ values ( $\text{mm}^3$ avg $\pm$ SD)	0.02 $\pm$ 2.24	1.23 $\pm$ 13.49	3.68 $\pm$ 9.12	0.05 $\pm$ 3.55	0.95 $\pm$ 2.88	0.02 $\pm$ 2.69	0.33 $\pm$ 5.62	0.4 $\pm$ 1.41	0.21 $\pm$ 1.82	3.98 $\pm$ 1.78	0.03 $\pm$ 1.86	0.08 $\pm$ 1.82
Mean lesion volume / antibody distribution at 6 $\mu\text{g}$ (%)	-	25	-	-	-	-	7	8	4	-	1	2

\* Data from reference (22) reproduced for convenience.

\*\* BL6 and BL10 mouse strains have been found to display different responses to pathogens in other settings (31, 32).

+++ : overexpressor.