
Supplementary information

The S1 protein of SARS-CoV-2 crosses the blood–brain barrier in mice

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Extended Data Table 1. Stability as Assessed by Acid Precipitation of I-S1 in Brain and Blood 10 and 30 min after Intravenous Injection.

	10 min	30 min	Processing Control
Blood	98 ± 0.8	72 ± 1.8	94 ± 0.3
Brain	77 ± 0.04	24 ± 5.5	95 ± 0.2

Values are mean ± SE with units of percent (see equation 3); n = 3 for 10 min and 30 min and n = 2 for Processing Control.

Extended Data Table 2. The number of mice used to calculate each regression line in figure 8 is shown here. Values in parentheses were excluded based on exclusion criteria for linear regression as described in methods.

	ApoE3 females	ApoE3 males	ApoE4 females	ApoE4 males
Brain (T-Alb)	11	10	10	10
Serum	11	9 (1)	9 (1)	10
Brain (I-S1)	11	9 (1)	9 (1)	10
Olfactory bulb	10 (1)	10	9 (1)	8 (2)
Lung	11	9 (1)	8 (2)	10
Liver	6 (5)	8 (2)	7 (3)	9 (1)
Spleen	7 (4)	8 (2)	9 (1)	9 (1)
Kidney	7 (4)	7 (3)	8 (2)	8 (2)