

Supplementary Table 1. Number and percentage of monocyte subsets and plasma viral load over time.

Animal ID	CM07			DB79			FD05			FB92		
CNS pathology ^a	SIVE			SIVE			SIVE			SIVnoE		
Timepoint (dpi) ^b	0	26	75	0	26	91	0	26	95	0	26	118
Viral Load (x10 ⁶ , Copy Eq./mL)	U ^c	24.0	7.4	U ^c	23.0	11.0	U ^c	48.0	58.0	U ^c	21.0	NA ^d
Monocyte Count (Cells/μL)												
CD14++CD16-	204	265	188	246	443	508	116	334	222	217	285	400
CD14++CD16+	28	93	13	21	91	271	9	119	99	14	44	28
CD14+CD16++	13	26	6	24	76	289	2	22	17	6	11	4
Percent of Total Monocytes												
CD14++CD16-	83.5%	69.0%	90.5%	84.5%	72.6%	47.5%	91.3%	70.3%	65.7%	91.6%	83.8%	92.6%
CD14++CD16+	11.2%	24.3%	6.4%	7.1%	14.9%	25.4%	7.1%	25.1%	29.3%	5.9%	12.9%	6.5%
CD14+CD16++	5.2%	6.7%	3.1%	8.4%	12.5%	27.1%	1.6%	4.6%	5.0%	2.5%	3.2%	0.9%
Cells per sample (x10³)^e												
CD14++CD16-	130	1000	24	100	65	190	62	46	NA ^d	50	38	57
CD14++CD16+	36	110	18	10	54	100	14	100	NA ^d	4	60	24
CD14+CD16++	11	15	10 ^f	13	35	100	1 ^f	10	NA ^d	1.8 ^f	15	16

a. SIVE: SIV encephalitis, SIVnoE: SIV no encephalitis.

b. dpi: days post infection.

c. U: undetectable (< 100 copy equivalents/mL).

d. NA: sample not available.

e. Total number of FACS-sorted monocytes collected from each subset.

f. Sample failed quality control and was excluded from analysis