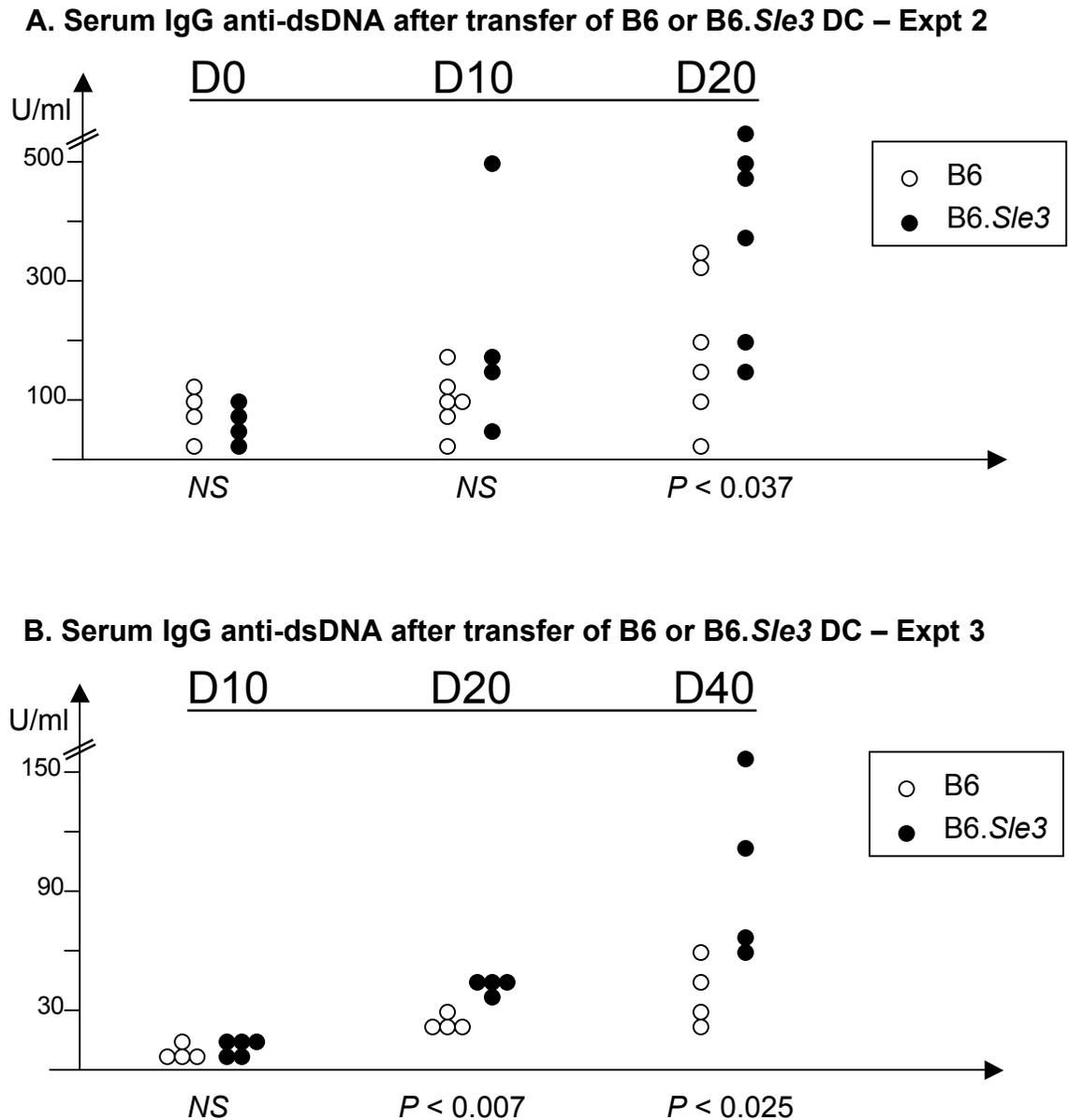


**Figure S1 . Studies confirming results shown in Figure 4.**

In vivo cytokine production by B6 and B6.Sle3 BM-derived DCs (A) and macrophages (B) were assayed 24 h after LPS stimulation, as detailed in the legend to Figure 4. Portrayed in (A) and (B) are additional experiments that support the findings portrayed in Figure 4. Each dot represents cells cultured from an independent B6 or B6.Sle3 mouse. All *P*-values shown were computed by comparing the B6.Sle3 values against the B6 controls, using the student's t-test. The shown horizontal bars indicate the respective group means. NS = not significant.



**Figure S2. Studies confirming the results shown in Figure 7.**

Portrayed are 2 repeat studies to substantiate the findings shown in Figure 7, where serum ANAs were assayed at serial time-points following injection of B6 hosts with LPS and B6 or B6.*Sl*e3-derived BM-DCs, as detailed in the legend to Figure 7. Each dot represents data obtained from a single mouse injected with independently derived BM-DCs. All *P*-values shown were computed by comparing the B6.*Sl*e3 values against the B6 controls, using the student's *t*-test. NS = not significant.

**Table S1. Stimulation indices in repeat studies of proliferation assays <sup>1</sup>**

	Strain	Number of spleens	E $\alpha$ peptide	H4 peptide	Anti-CD3	PHA	OVA (1000nM)
Experiment #2	B6.OTII	4	1.1 $\pm$ 0.1	1.2 $\pm$ 0.2	7.8 $\pm$ 0.9	5.3 $\pm$ 0.5	8.9 $\pm$ 1.7
	B6. <i>Sle3</i> .OTII	4	1.1 $\pm$ 0.1	1.1 $\pm$ 0.2	10.7 $\pm$ 0.9**	7.1 $\pm$ 0.7**	12.7 $\pm$ 1.6**
Experiment #3	B6.OTII	3	0.8 $\pm$ 0.1	0.9 $\pm$ 0.1	ND	4.7 $\pm$ 0.4	19.1 $\pm$ 1.1
	B6. <i>Sle3</i> .OTII	3	0.8 $\pm$ 0.03	0.9 $\pm$ 0.04	ND	6.7 $\pm$ 0.8*	28.3 $\pm$ 2.4***

<sup>1</sup> Summarized are the results of 2 additional proliferation assays performed using B6.OTII and B6.*Sle3*.OTII whole spleens, as detailed in the first experiment portrayed in Fig. 2A. Indicated numbers are the mean ( $\pm$  SEM) stimulation indices observed after stimulation with the cognate OVA peptide, 2 irrelevant I-A<sup>b</sup> binding peptides (E<sub>a</sub> and H4), anti-CD3, or PHA. The average background cpm values in the 2 repeat studies were 240, and 358 respectively. ND = Not done; Asterisks indicate the statistical significance comparing the B6.*Sle3*.OTII values with the corresponding B6 values observed in the same experiment (\*,  $P < 0.05$ ; \*\*,  $P < 0.01$ ; \*\*\*,  $P < 0.001$ ). Please refer to the legend to Fig. 2 for further details.