

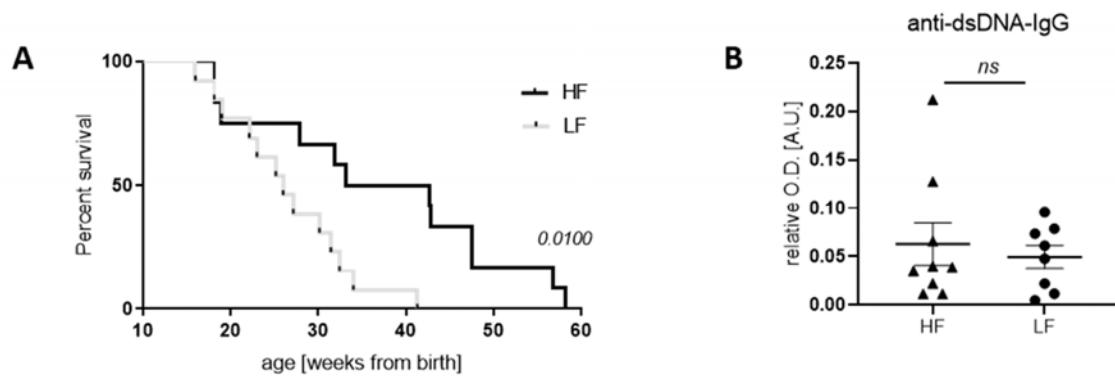
Supplementary Material

Supplementary Methods

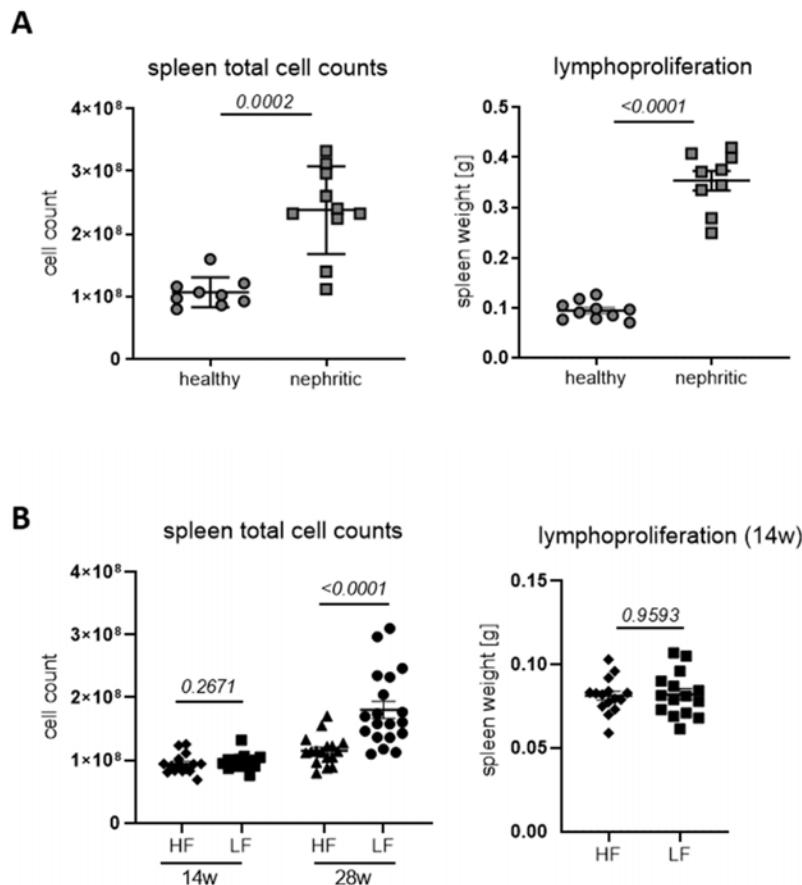
Adoptive transfer experiments

Cell suspensions were prepared from pooled spleens and lymph nodes of NZB/WF1 mice without nephritis. T cells were enriched by negative selection using MACS microbeads (Miltenyi Biotech) and stained with CFDA-SE (CFSE) (Thermofisher). 2.5×10^6 labelled cells were adoptively transferred into healthy (14 week old) or nephritic NZB/WF1 animals. 24 hours later, recipient mice were sacrificed for collection of kidneys to determine the frequencies of transferred CFSE⁺ CD4⁺ and CD8⁺ T cells by flow cytometry.

Supplementary Figures

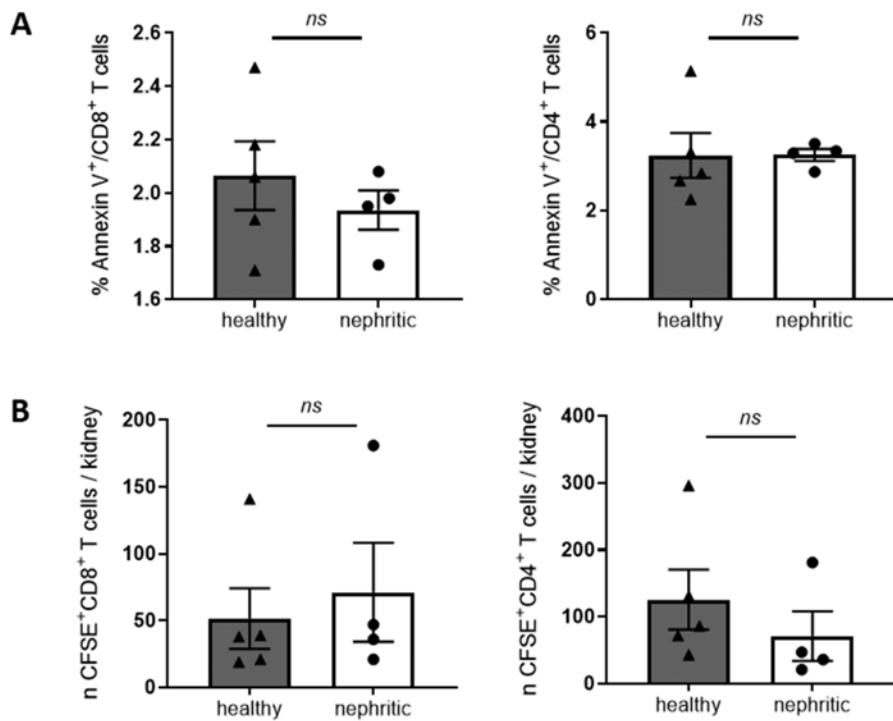
**Supplementary Figure 1. Impact of dietary fiber on lupus pathology in MRL/lpr mice**

(A) Overall survival (OS) determined in lupus-prone MRL/*lpr* mice fed a high (HF; n=12) or low fiber (LF; n=13) diet. The Kaplan-Meier method was used for estimating OS in differently treated groups. (B) Measurement of anti-dsDNA-IgG serum titers in 20w old animals fed a HF (n=9 mice) or LF (n=8 mice) diet. Results are expressed as scatter blots with mean +/-SEM; each data point represents an individual mouse; $p<0.05$ was considered significant, $p>0.2$ is indicated as ns, not significant.



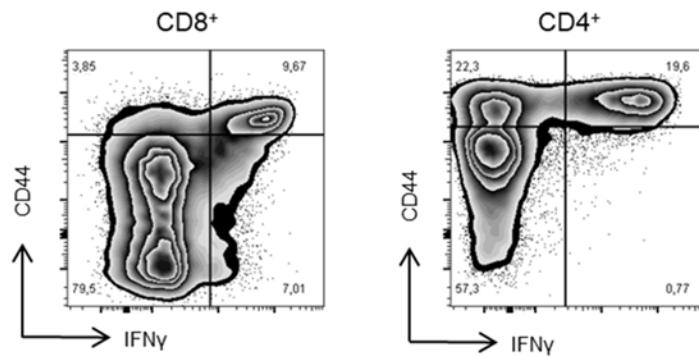
Supplementary Figure 2. Lymphoproliferation in progressing disease

(A) Spleen weights and total splenocyte counts in 14w old NZB/WF1 mice (healthy, n=9-10 mice) versus mice with established nephritis (nephritic, n=9-10 mice) fed a normal chow. (B) Total splenocyte counts in 14w (n HF=15 mice, n LF=15 mice) versus 28w (n HF=17 mice, n LF=19 mice) old NZB/WF1 mice fed a HF- versus LF-diet; spleen weights of 14w old NZB/WF1 mice fed a HF- versus LF-diet (n HF=15 mice, n LF=15 mice). Results are expressed as scatter blots with mean +/- SEM; each data point represents an individual mouse; $p<0.05$ was considered significant, $p>0.2$ is indicated as ns, not significant.



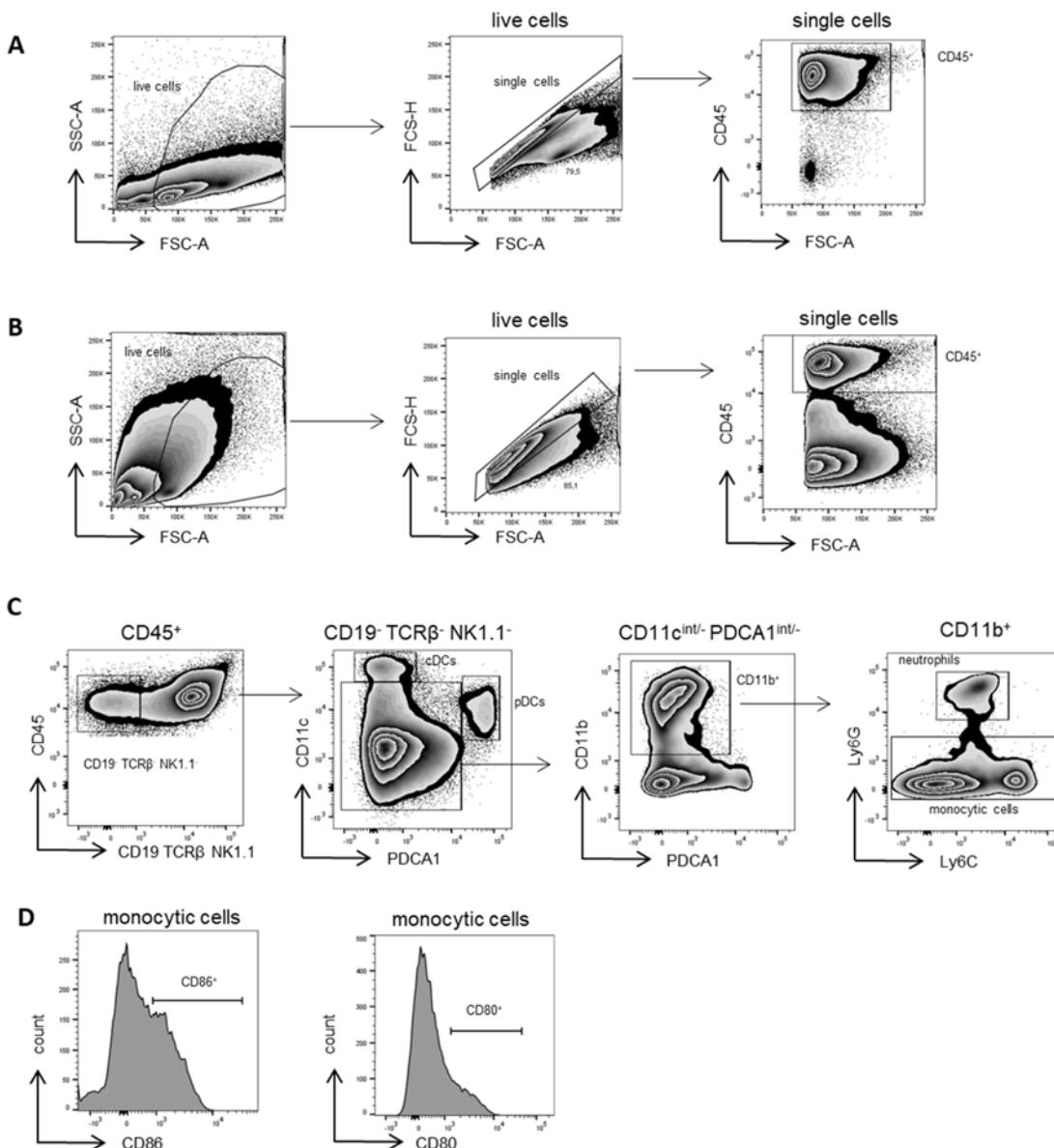
Supplementary Figure 3. Susceptibility to apoptosis and migration of CD4⁺ and CD8⁺ T cells into inflamed and non-inflamed kidneys

(A) Annexin V-binding was examined in spleen CD4⁺ and CD8⁺ T cells from healthy (14w old, n=5 mice) versus nephritic NZB/WF1 animals (n=4 mice). (B) Number of CFSE-labelled CD4⁺ and CD8⁺ T cells, recovered from one kidney of healthy (14w old, n=5 mice) versus nephritic NZB/WF1 animals (n=4 mice) 24h after adoptive transfer. Results are expressed as scatter blots with mean +/-SEM; each data point represents an individual mouse; $p<0.05$ was considered significant, $p>0.2$ is indicated as ns, not significant.

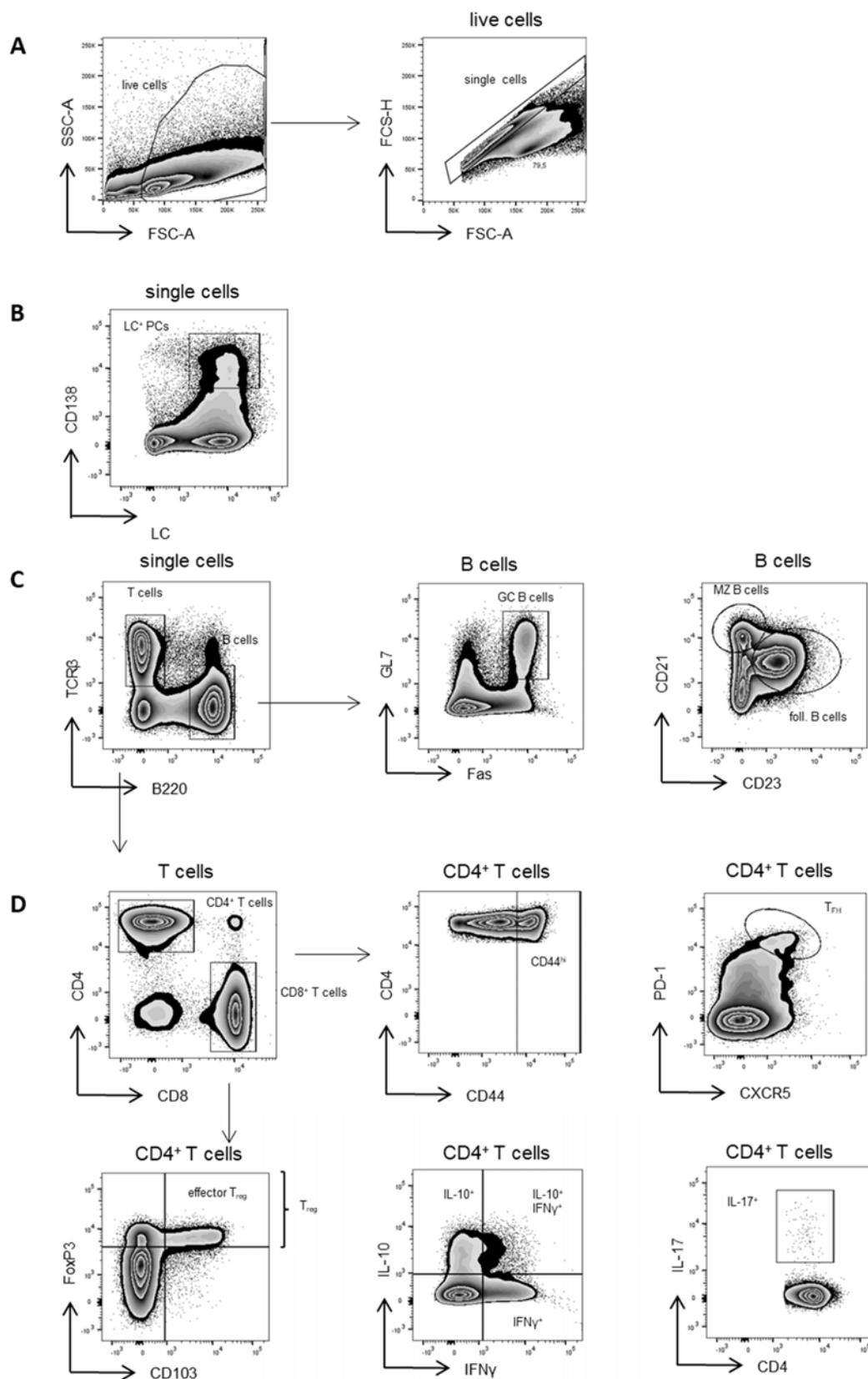


Supplementary Figure 4. Co-expression of CD44 and IFN γ in CD4 and CD8 T cells

Co-expression of CD44 and IFN γ in CD4 $^{+}$ and CD8 $^{+}$ T cells of 28w old NZB/WF1 mice by flow cytometry. Shown are representative FACS blots from spleen.

**Supplementary Figure 5. Gating strategy for immune status evaluation (innate immune cells)**

(A, B) After FSC/SSC-based selection of live leukocytes and exclusion of doublets, CD45⁺ organ-infiltrating neutrophils were selected. Shown are representative FACS blots from spleen (A) and kidney (B). **(C)** To determine frequencies of main innate immune cell populations, CD45⁺CD19⁻TCR β ⁻NK1.1⁻ were selected and among those cDCs identified as CD11c^{hi}, pDCs as PDCA1^{hi} cells. Monocytic cells were identified as CD11c^{int/-}PDCA1^{int/-}CD11b⁺Ly6G⁻, neutrophils as CD11c^{int/-}PDCA1^{int/-}CD11b⁺Ly6G^{hi} cells. Shown are representative FACS blots from spleen. **(D)** The expression of the co-stimulatory molecules CD86 or CD80 was quantified on monocytic cells (shown) or cDC (not shown).



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Supplementary Figure 6. Gating strategy for immune status evaluation (adaptive immune cells)

(A) After FSC/SSC-based selection of live leukocytes, doublets were excluded. (B) Plasma cells were identified as CD138^{hi}κ/λLC⁺ cells from single cells. (C, D) From single cells, B cells were selected as TCRβ⁻B220⁺ cells (C), CD4⁺ T cells as B220⁻TCRβ⁺CD8⁻CD4⁺ (C, D) and CD8⁺ T cells as B220⁻TCRβ⁺CD4⁻CD8⁺ T cells (C, D). Further determined was the percentage of GL7^{hi}Fas^{hi} GC B cells, CD21^{hi}CD23^{lo} MZ B cells and CD21^{lo}CD23^{hi} follicular B cells on whole B cells (C). Determined was also the % expression of CD44^{hi}, IL-10, IFNg, IL-17, CXCR5^{hi}PD1^{hi} T_{FH}, FoxP3⁺ T_{reg} and CD103⁺/FoxP3⁺ effector T_{reg} on whole CD4⁺ T cells (D). Shown are representative FACS blots from spleen.

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Supplementary Tables

Supplementary Table 1. Immune status in HF- versus LF-fed NZB/WF1 animals

	14w			28w			sick		
	HF	LF		HF	LF		HF	LF	
spleen	mean +/- SEM	mean +/- SEM	p-value	mean +/- SEM	mean +/- SEM	p-value	mean +/- SEM	mean +/- SEM	p-value
CD11b ^{hi} Ly6G ^{hi} neutrophils/live cells	0.1253 0.03651	0.1113 0.0155	ns	0.351 0.08532	0.303 0.07805	ns	0.3571 0.09329	0.4771 0.1194	ns
CD11ch ^{hi} cDC/ live cells	0.08 0.004629	0.104 0.01166	0.0927	0.1183 0.0339	0.1882 0.01267	ns	0.2105 0.01495	0.5529 0.1055	0.0012
CD80 ⁺ cDC	84.92 1.445	85.53 1.413	ns	76.72 4.262	70.68 2.397	0.0555	62.14 6.456	49.6 5.382	0.1014
CD86 ⁺ cDC	10.02 2.911	10.16 2.544	ns	7.268 0.5572	9.903 0.5193	0.0027	20.81 1.166	16.81 2.078	0.1282
PDCA1 ^{hi} pDC/live cells	0.161 0.02822	0.228 0.03878	0.1474	0.2203 0.02802	0.1419 0.02065	0.011	0.06571 0.01798	0.09143 0.01738	0.2145
Ly6G ⁺ CD11b ⁺ monocytic cells/ live cells	2.557 0.3946	2.215 0.4646	ns	1.332 0.06755	1.144 0.04852	0.0275	1.076 0.2253	1.373 0.2865	ns
CD80 ⁺ /monocytic cells	44.09 4.473	38.82 4.055	ns	45.71 1.94	39.46 0.9389	0.0065	57.3 6.623	47.46 7.409	ns
CD86 ⁺ /monocytic cells	4.343 1.2	4.295 1.003	ns	10.88 0.8417	11.43 0.5225	0.1312	10.77 1.642	14.72 1.546	0.0973
TCR β^+ CD4 $^+$ T cells/live cells	24.06 1.309	23.87 1.035	ns	24.84 1.156	19.86 0.9716	0.0035	20.96 1.392	21.28 1.85	ns
CD44 ^{hi} /CD4 $^+$ T cells	12.2 0.7192	12.88 1.539	ns	36.74 3.092	59.19 3.877	<0.0001	56.67 7.282	72.4 2.204	0.0175
CXCR5 ^{hi} PD1 ^{hi} /CD4 $^+$ T cells (T _{FH})	0.48 0.07974	0.3575 0.03245	ns	2.884 0.3821	5.516 0.5991	0.0015	4.689 1.265	9.744 2.265	0.0565
IFN γ^+ /CD4 $^+$ T cells	3.164 0.79	3.462 0.7842	ns	12.12 1.38	16.66 1.333	0.02	25.24 3.477	29.88 3.421	ns
IL-17 $^+$ /CD4 $^+$ T cells	0.232 0.04283	0.11 0.03017	0.0556	0.4123 0.06362	0.4 0.07092	0.6239	0.26 0.05	0.1957 0.03644	ns
IL-10 $^+$ /CD4 $^+$ T cells	0.25 0.07993	0.212 0.05551	ns	3.373 0.4721	6.759 0.7053	0.0003	8.999 1.429	13.78 1.438	0.0379
FoxP3 $^+$ /CD4 $^+$ T cells (T _{reg})	14.38 1.766	13.24 0.595	ns	20.75 1.267	28.15 1.272	0.0007	22.3 2.121	27.64 1.233	0.0787
CD103 $^+$ /FoxP3 $^+$ CD4 $^+$ T cells (effector T _{reg})	13.63 0.588	14.32 1.196	ns	25.15 1.667	34.92 2.261	0.0024	38.94 3.945	53.05 0.74	0.0111
TCR β^+ CD8 $^+$ T cells/live cells	18.29 1.635	16.65 1.601	ns	14.47 0.9333	9.967 9.967	0.0028	5.325 0.5426	2.203 0.3542	0.0012
CD44 ^{hi} /CD8 $^+$ T cells	4.622 0.5405	3.594 0.3901	0.1903	13.66 0.9019	22.6 2.334	0.0024	10.42 1.638	21.83 2.107	0.0070
IFN γ^+ /CD8 $^+$ T cells	12.9 1.776	12.47 2.523	ns	13.94 1.038	12.2 0.9123	0.3081	27.1 5.769	47.36 4.412	0.0221
TCR β^+ B220 $^+$ B cells/live cells	44.11 2.898	56.83 9.722	0.0952	43.47 1.735	44.87 1.678	ns	46.57 2.872	40.04 5.356	ns
Fas ^{hi} GL7 ^{hi} /B cells	0.4888 0.09563	0.5225 0.09955	ns	1.423 0.2986	2.33 0.3123	ns	4.545 0.4609	4.694 0.408	0.6163
CD21 ^{lo} CD23 ^{hi} (follicular)/ B cells	61.57 3.494	54.18 4.653	ns	61.73 0.7922	57.04 1.387	0.0118	48.43 5.979	52.62 1.744	ns
CD21 ^{hi} CD23 ^{lo} (MZ)/B cells	13.48 1.379	13.97 0.8889	0.8205	11.55 1.352	11.02 1.24	ns	4.334 1.609	0.7443 0.2154	ns
LC $^+$ CD138 ^{hi} /live cells (plasma cells)	1.062 0.1252	0.742 0.1155	0.0601	2.184 0.2187	2.469 0.1813	ns	2.091 0.3969	2.023 0.2869	ns
kidney									
CD45 $^+$ /live cells	10.26 1.127	14 1.396	0.0393	20.8 4.249	29.48 4.42	0.1084	68.72 5.191	76.49 1.447	ns
CD11b ^{hi} Ly6G ^{hi} neutrophils/CD45 $^+$ cells	3.722 1.133	2.735 0.6107	ns	1.775 0.293	1.015 0.1645	0.0377	1.204 0.3188	1.103 0.3165	ns
CD11ch ^{hi} cDC/CD45 $^+$ cells	1.36 0.09663	1.585 0.1143	ns	0.3234 0.03083	0.3564 0.04198	ns	1.513 0.4775	1.249 0.2478	ns
PDCA1 ^{hi} pDC/CD45 $^+$ cells	0.8036 0.102	0.9069 0.08902	ns	0.4135 0.0401	0.3356 0.05396	0.0663	0.07333 0.03029	0.1371 0.02523	0.1270
CD11b ⁺ monocytic cells/CD45 $^+$ cells	19.95 3.03	24.87 3.36	ns	15.42 1.383	10.41 0.8231	0.0086	12.27 1.103	13.71 2.44	ns
TCR β^+ CD4 $^+$ T cells/CD45 $^+$ cells	19.72 1.642	22.79 0.9714	0.1656	30.87 1.961	35.78 1.347	0.0486	33.05 2.36	35.77 1.341	ns
CD44 ^{hi} /CD4 $^+$ T cells	14.2 1.31	12.78 1.29	0.1447	39.73 3.209	47.88 4.619	0.3147	21.68 1.448	20.37 1.009	ns
IFN γ^+ /CD4 $^+$ T cells	3.921 0.6832	5.964 0.8176	0.0439	23.85 3.66	13.42 1.758	0.0439	17.91 2.753	13.58 2.112	ns
FoxP3 $^+$ /CD4 $^+$ T cells (T _{reg})	14.85	13.71	ns	15.13	17.62	0.037	19.06	19.29	ns

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CD103 ⁺ FoxP3 ⁺ /CD4 ⁺ T cells (effector T _{reg})	1.112 22.19 1.882	1.169 24.92 1.891	<i>ns</i>	0.5649 22.57 1.353	0.8359 24.67 1.357	<i>0.2711</i>	0.32 25.44 2.889	1.319 39.22 3.297	<i>0.0175</i>
TCR β^+ CD8 ⁺ T cells/CD45 ⁺ cells	9.799 0.848	8.852 0.9873	<i>0.1086</i>	11.48 0.7375	18.12 0.9958	< 0.0001	23.11 2.951	23.83 3.701	<i>ns</i>
CD44 ^{hi} /CD8 ⁺ T cells	3.958 0.4138	3.197 0.2133	<i>0.1112</i>	16.68 2.914	25.19 4.392	<i>0.3342</i>	17.33 2.619	11.39 2.708	<i>0.1649</i>
IFN γ^+ /CD8 ⁺ T cells	7.755 1.405	12.36 2.025	<i>0.0688</i>	16.05 1.3071	14.59 1.391	<i>ns</i>	26.66 4.321	31.15 8.403	<i>ns</i>
TCR β^+ B220 ⁺ B cells/CD45 ⁺ cells	13.53 1.938	11.45 1.27	<i>ns</i>	11.53 0.7848	10.76 1.169	<i>ns</i>	8.344 1.205	9.524 0.82	<i>ns</i>

Broad immune status evaluation in spleen and kidney of HF- and LF-treated NZB/WF1 mice by FACS at 14w (yet healthy animals; n HF/LF=10-15 mice), at 28w (animals with established autoantibodies but no signs of overt nephritis; n HF=11-17 mice, n LF=14-19 mice) and in nephritic animals (n HF/LF=7 mice). Results are expressed as mean +/- SEM; $p<0.05$ was considered significant, $p>0.2$ is indicated as *ns*, *not significant*.

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Supplementary Table 2. Immune status in healthy and nephritic NZB/WF1 animals

	healthy	nephritic	
spleen	mean +/- SEM	mean +/- SEM	p- value
CD11b ^{hi} Ly6G ^{hi} neutrophils/live cells	0.1586 0.06162	0.4425 0.09821	0.0275
CD11c ^{hi} cDC/ live cells	0.09 0.01215	0.325 0.04372	<0.0001
CD80 ⁺ /cDC	85.5	55.66	<0.0001
CD86 ⁺ /cDC	1.182 15.78 2.449	3.795 20.64 1.655	0.1422
PDCA1 ^{hi} pDC/live cells	0.18 0.01215	0.07818 0.0122	0.0005
Ly6G ⁺ CD11b ⁺ monocytic cells/ live cells	1.657 0.4879	1.431 0.2542	ns
CD80 ⁺ /monocytic cells	47.33 4.1	54.43 3.169	ns
CD86 ⁺ /monocytic cells	6.986 0.4731	11.47 1.017	0.0019
TCR β ⁺ CD4 ⁺ T cells/live cells	23.37	19.33	0.0683
CD44 ^{hi} /CD4 ⁺ T cells	1.446 9.294	1.339 71.1	<0.0001
CXCR5 ^{hi} PD1 ^{hi} /CD4 ⁺ T cells (T _{FH})	0.4639 0.01251	2.299 6.92	<0.0001
IFN γ ⁺ /CD4 ⁺ T cells	3.489 0.4959	24.55 2.963	<0.0001
IL-17 ⁺ /CD4 ⁺ T cells	0.3057 0.07606	0.1508 0.02013	0.1146
IL-10 ⁺ /CD4 ⁺ T cells	0.3557 0.05851	11.77 1.191	<0.0001
FoxP3 ⁺ /CD4 ⁺ T cells (T _{reg})	14.63 1.115	25.49 0.7015	<0.0001
CD103 ⁺ /FoxP3 ⁺ CD4 ⁺ T cells (effector T _{reg})	12.1 1.391	49.92 2.208	<0.0001
TCR β ⁺ CD8 ⁺ T cells/live cells	19.65 0.7801	3.564 0.4562	<0.0001
CD44 ^{hi} /CD8 ⁺ T cells	3.19 0.2959	13.67 1.388	0.0001
IFN γ ⁺ /CD8 ⁺ T cells	9.184 0.5472	42.35 3.74	<0.0001
TCR β ⁺ B220 ⁺ B cells/live cells	45.85 1.136	43.07 3.741	ns
Fas ^{hi} GL7 ^{hi} /B cells	0.4771 0.1386	2.248 0.3478	0.0002
CD21 ^{lo} CD23 ^{hi} (follicular)/B cells	62.11 3.057	43 4.795	0.0221
CD21 ^{hi} CD23 ^{lo} (MZ)/B cells	9.281 1.545	2.643 0.6124	0.0007
LC ⁺ CD138 ^{hi} /live cells (plasma cells)	0.6714 0.06382	2.451 0.454	0.0098
kidney			
CD45 ⁺ /live cells	26 3.411	75.34 1.955	<0.0001
CD11b ^{hi} Ly6G ^{hi} neutrophils/CD45 ⁺ cells	4.503 1.291	0.7033 0.09037	0.1361
CD11c ^{hi} cDC/CD45 ⁺ cells	1.483 0.1407	1.14 0.1795	0.1609
PDCA1 ^{hi} pDC/CD45 ⁺ cells	0.7814 0.1154	0.1383 0.0286	<0.0001
CD11b ⁺ monocytic cells/CD45 ⁺ cells	23.32 4.776	13.56 0.9018	0.1422
TCR β ⁺ CD4 ⁺ T cells/CD45 ⁺ cells	25.13 1.988	31.34 1.399	0.0358
CD44 ^{hi} /CD4 ⁺ T cells	7.344 0.4249	20.4 1.02	<0.0001
IFN γ ⁺ /CD4 ⁺ T cells	4.317 0.6084	17.1 3.329	0.0221
FoxP3 ⁺ /CD4 ⁺ T cells (T _{reg})	14.14 1.128	19.47 1	0.0052
CD103 ⁺ FoxP3 ⁺ /CD4 ⁺ T cells (effector T _{reg})	17.42 1.009	29.5 2.95	0.0037
TCR β ⁺ CD8 ⁺ T cells/CD45 ⁺ cells	8.73 0.6389	30.14 1.84	<0.0001

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CD44 ^{hi} /CD8 ⁺ T cells	3.643 0.911 12.95 4.612 12.32 1.776	14.76 2.88 28.13 5.358 8.646 1.173	<i>0.0018</i> <i>0.0831</i> <i>0.0866</i>
IFN γ ⁺ /CD8 ⁺ T cells			
TCR β B220 ⁺ B cells/CD45 ⁺ cells			

Broad immune status evaluation in spleen and kidney of 14w old, yet healthy and nephritic animals fed a normal chow (n healthy=7-9 mice, n nephritic=10-12 mice). Results are expressed as mean +/- SEM; $p<0.05$ was considered significant, $p>0.2$ is indicated as *ns, not significant*.

Supplementary Table 3. Patient's and healthy control's characteristics

	HC	SLE	SLE subgroup
total number	67	86	29
females	60	71	27
males	7	15	2
age (years)			
median	46	48	52
range	18-64	19 - 83	19-82
BMI (kg/m²)			
median	29,3	24,5	25,6
range	18,5-65	16,1 - 47,2	18,6-47,2
Leptin (pg/ml)			
median	18,75	9,07	12,3
range	2,09-55,28	0,36-44,67	1,8-42,5
CRP (mg/l)			
median	3	3	3
range	3-28,8	3-33,5	3,0-29
LPS (pg/ml)			
median	2,56	2,58	1,3
range	0-19,78	0-23,22	0-12,05
SLEDAI			
median	/	2	1
range	/	0 - 23	0-2
%HLA-DR/CD3⁺ T cells			
median	5,7	8,96	9
range	1,25-12,2	1,63-41,42	4-34,7
%HLA-DR/CD4⁺ T cells			
median	3,68	6	5,9
range	1,52-9,22	1,27-26,93	21-26,9
%HLA-DR/CD8⁺ T cells			
median	13,96	18,51	21,3
range	2,71-34,8	2,9-69,01	2,9-54,9

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Depicted are total numbers of subjects divided by male and female, median (+ range) age (years), BMI (kg/m^2), serum levels of leptin (pg/ml), CRP (mg/l), LPS (pg/ml), SLEDAI and % HLA-DR expression on CD3^+ , $\text{CD3}^+\text{CD4}^+$ and $\text{CD3}^+\text{CD8}^+$ T cells. HC=healthy controls, SLE=all enrolled SLE patients, SLE subgroup=defined group of SLE patients with $\text{SLEDAI} \leq 2$, receiving a treatment of no more than hydroxychloroquine/chloroquine, prednisone $\leq 5\text{mg}$ and no DMARDs/biologicals.

Supplementary Table 4. Patient's characteristics

	all	steroids (prednisone)			treatment					
		no DMARD			HCQ/CQ			biological		
		no steroids	$\leq 5\text{mg}$	$> 5\text{mg}$	no HCQ/CQ	mono	(+/- HCQ/CQ)	(+/- HCQ/CQ)	(+/- HCQ/CQ)	(+/- HCQ/CQ)
SLEDAI										
<i>median</i>	2	2	4	6	0	2	4	3	2	
<i>range</i>	0 - 23	0-18	0-23	0-16	0-4	0-6	0-23	0-8	0-12	
treatment										
<i>no DMARD/biological/HCQ/CQ</i>	8	5	1	1						
<i>HCQ/CQ mono</i>	30	25	4	1						
<i>DMARD (+/- HCQ/CQ)</i>	29	14	9	6						
<i>biological (+/- HCQ/CQ)</i>	5	2	3	1						
<i>DMARD + biological (+/- HCQ/CQ)</i>	13	3	9	2						
steroids (prednisone)										
<i>no steroids</i>	49				5	25	14	1	3	
$\leq 5\text{mg}$	25				1	4	9	3	8	
$> 5\text{mg}$	11				2	1	6	1	2	
		SLEDAI								
		all	0	1 - 4	5 - 8	> 8				
treatment										
<i>no DMARD/biological/HCQ/CQ</i>	8	5	3	0	0					
<i>HCQ/CQ mono</i>	31	10	17	3	0					
<i>DMARD (+/- HCQ/CQ)</i>	29	10	11	3	5					
<i>biological (+/- HCQ/CQ)</i>	5	1	3	1	0					
<i>DMARD + biological (+/- HCQ/CQ)</i>	13	4	7	1	2					
steroids (prednisone)										
<i>no steroids</i>	50	8	18	6	5					
$\leq 5\text{mg}$	25	6	16	2	2					
$> 5\text{mg}$	11	2	2	4	3					

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Tabular list of the different treatments of all SLE patients enrolled (above). Indicated is also the median SLEDAI in relation to the different treatment groups. Indicated are the different treatments within groups of patients with a SLEDAI of 0, 1-4, 5-8 or >8 (below).

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Supplementary Table 5. Immune status in NZB/WF1 animals treated with SCFA

	SCFA	untreated	
spleen	mean +/- SEM	mean +/- SEM	p-value
CD11b ^{hi} Ly6G ^{hi} neutrophils/live cells	0.1674 0.02529	0.1588 0.02049	ns
CD11c ^{hi} cDC/ live cells	0.4175 0.05334	0.3323 0.04009	ns
PDCA1 ^{hi} pDC/ live cells	0.4753 0.03136	0.4566 0.0275	ns
Ly6G ⁺ CD11b ⁺ monocytic cells/ live cells	1.148 0.1718	0.9448 0.134	ns
TCRβ ⁺ CD4 ⁺ T cells/live cells	21.08 0.8633	23.04 0.8088	ns
CD44 ^{hi} /CD4 ⁺ T cells	39.09 3.408	33.32 2.173	ns
CXCR5 ^{hi} PD1 ^{hi} /CD4 ⁺ T cells (T _{FH})	3.353 0.519	2.584 0.4024	ns
IFNγ ⁺ /CD4 ⁺ T cells	9.533 1.662	7.104 0.8536	ns
IL-17 ⁺ /CD4 ⁺ T cells	0.116 0.01262	0.1285 0.01435	ns
IL-10 ⁺ /CD4 ⁺ T cells	4.941 0.7694	3.152 0.3412	ns
FoxP3 ⁺ /CD4 ⁺ T cells (T _{reg})	24.09 1.325	20.57 0.9151	0.1698
CD103 ⁺ /FoxP3 ⁺ CD4 ⁺ T cells (effector T _{reg})	31.81 1.588	26.06 0.9389	0.0234
TCRβ ⁺ CD8 ⁺ T cells/live cells	10.3 0.7499	11.51 0.7722	ns
CD44 ^{hi} /CD8 ⁺ T cells	16.21 1.126	14.13 0.7025	ns
IFNγ ⁺ /CD8 ⁺ T cells	9.476 1.528	7.533 1.054	ns
TCRβ ⁺ B220 ⁺ B cells/live cells	44.226921 1.4951014	42.471733 1.2215557	ns
Fas ^{hi} GL7 ^{hi} /B cells	2.736 0.3123	2.246 0.1868	ns
CD21 ^{lo} CD23 ^{hi} (follicular)/B cells	55.64 1.961	54.09 1.161	ns
CD21 ^{hi} CD23 ^{lo} (MZ)/B cells	18.09 1.621	21.09 1.115	ns
LC ⁺ CD138 ^{hi} /live cells	2.976 0.3941	2.736 0.233	ns
kidney			
CD45 ⁺ /live cells	11.73 1.227	10.91 1.002	ns
CD11b ^{hi} Ly6G ^{hi} neutrophils/CD45 ⁺ cells	1.046 0.1392	1.014 0.1299	ns
CD11c ^{hi} cDC/CD45 ⁺ cells	0.9627 0.1156	1.077 0.1518	ns
PDCA1 ^{hi} pDC/CD45 ⁺ cells	0.2533 0.0258	0.3589 0.04507	0.1620
CD11b ⁺ monocytic cells/CD45 ⁺ cells	7.164 0.826	6.24 0.5791	ns
TCRβ ⁺ CD4 ⁺ T cells/live cells	40.03 1.074	42.12 1.621	ns
CD44 ^{hi} /CD4 ⁺ T cells	53.23 4.275	47.22 2.871	ns
IFNγ ⁺ /CD4 ⁺ T cells	7.985 2.119	8.467 1.636	ns
FoxP3 ⁺ /CD4 ⁺ T cells (T _{reg})	17.23 0.9731	17.11 0.8044	ns
CD103 ⁺ /FoxP3 ⁺ CD4 ⁺ T cells (effector T _{reg})	25.61 1.495	17.31 1.511	0.0041
TCRβ ⁺ CD8 ⁺ T cells/CD45 ⁺ cells	16.89 0.7899	16.19 0.5346	ns
CD44 ^{hi} /CD8 ⁺ T cells	44.19 5.308	36.23 3.027	ns
IFNγ ⁺ /CD8 ⁺ T cells	7.467 1.264	8.34 1.188	ns
TCRβ ⁺ B220 ⁺ B cells/CD45 ⁺ cells	18.21 1.731	15.89 1.147	ns

Supplementary Material

Broad immune status evaluation in spleen and kidney of 28w old NZB/WF1 mice, receiving a SCFA-mix or untreated drinking water (n SCFA=10-18 mice and n untreated=10-19 mice). Results are expressed as mean +/- SEM; $p<0.05$ was considered significant, $p>0.2$ is indicated as *ns*, *not significant*.