

## SUPPLEMENTARY FIGURE LEGENDS

**Supplementary Figures S1–S6: (n = 4/genotype for Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup>Balb/c background strain)**

**Fig. S1.** Percentage confluence of Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup> Balb/c background bone marrow cells.

**Fig. S2.** Numbers of cobblestone islands for Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup> Balb/c background bone marrow cells.

**Fig. S3.** Day 7 cell colony counts for Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup> Balb/c background bone marrow cells.

**Fig. S4.** Day 14 cell colony counts for Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup> Balb/c background bone marrow cells.

**Fig. S5.** Increased 10 Gy radiation-induced mRNA for transcription factors in Serpinb3a<sup>-/-</sup> mouse cells.

**Fig. S6.** Panel A: Serpinb3a<sup>-/-</sup> mouse plasma proteins over 5 days after 8 Gy TBI. Panel B: Marrow stromal cell line proteins over 24 h after 10 Gy irradiation.

## SUPPLEMENTARY TABLES

**Table S1.** Weekly measurement of percentage confluence of adherent layer of Serpinb3a<sup>-/-</sup> mouse LTBMCS.

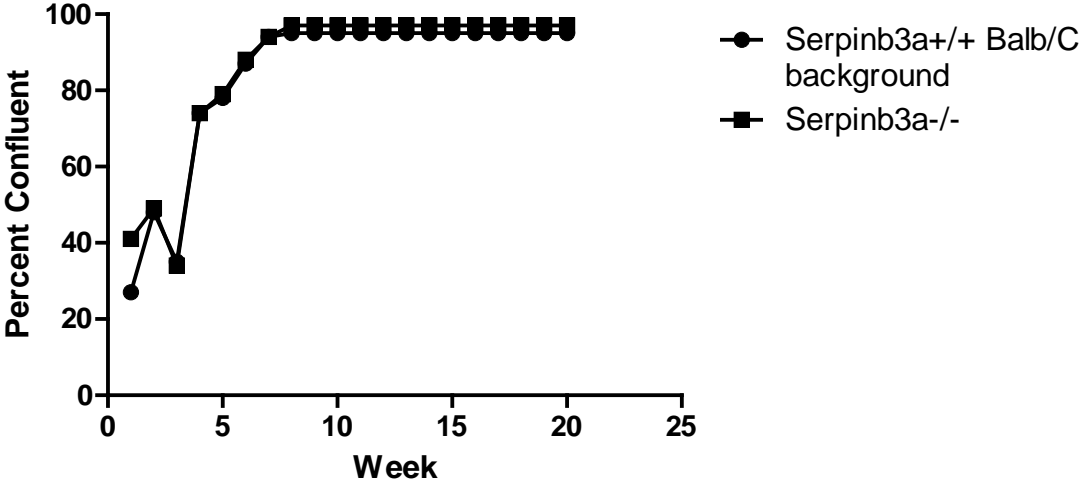
**Table S2.** Weekly cobblestone islands in adherent layer of Serpinb3a<sup>-/-</sup> LTBMCS.

**Table S3.** Weekly production of nonadherent cells per flask of Serpinb3a<sup>-/-</sup> mouse LTBMCS.

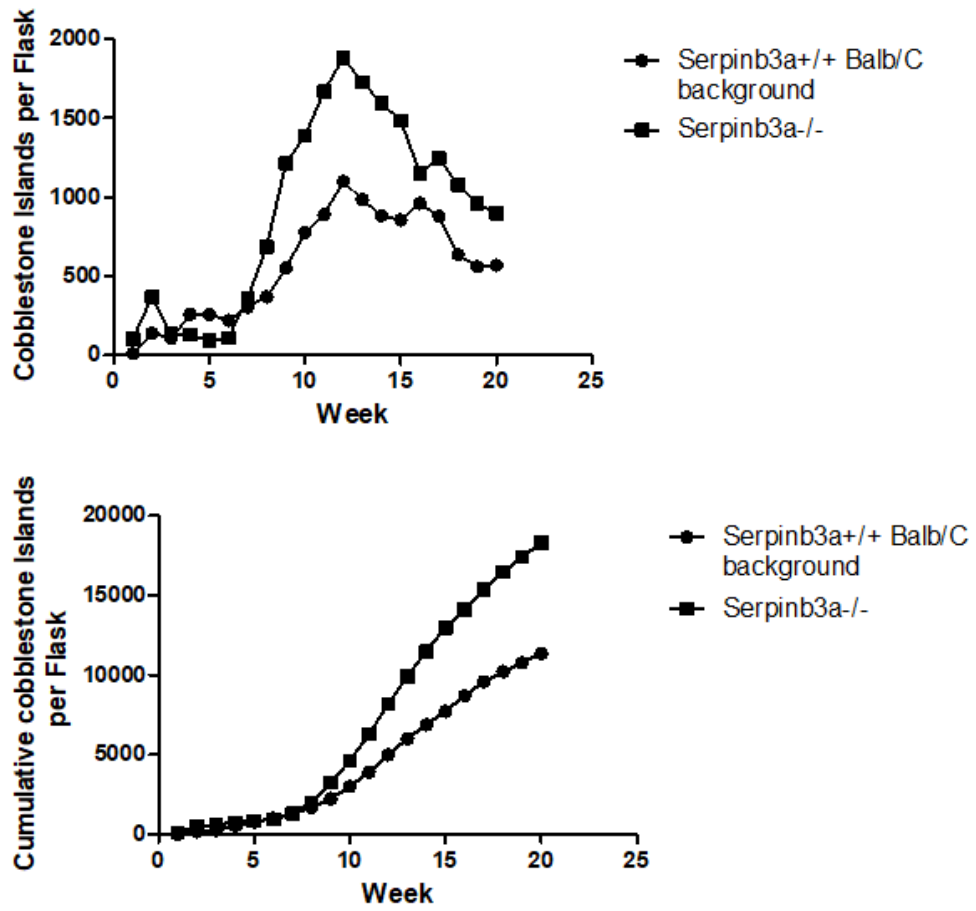
**Table S4.** Weekly production of nonadherent cells per flask that contain day 7 colony-forming hematopoietic progenitor cells.

**Table S5.** Weekly production of nonadherent cells per flask that contain day 14 colony-forming hematopoietic progenitor cells.

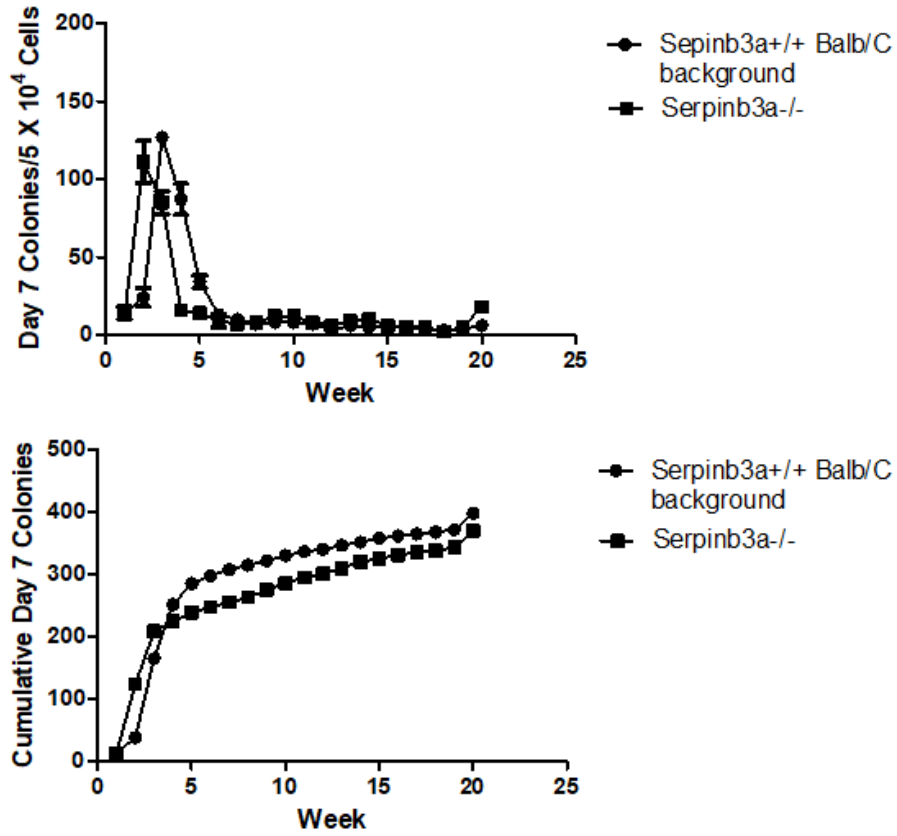
Supplementary Figure S1:



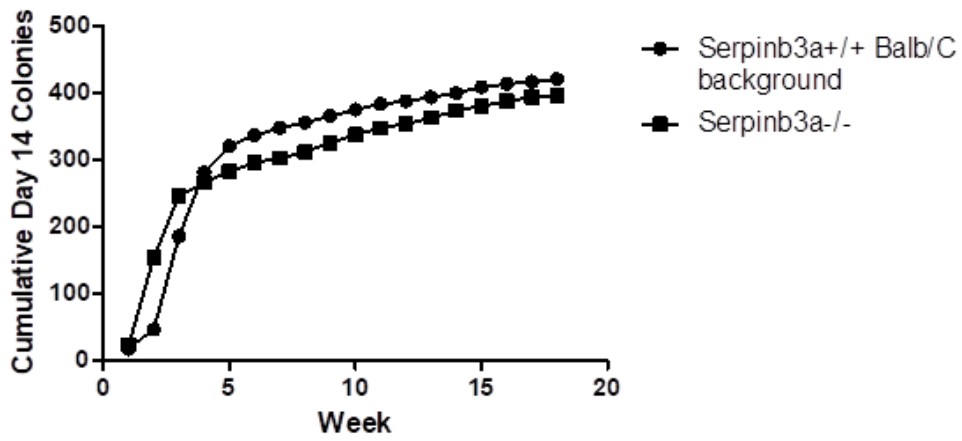
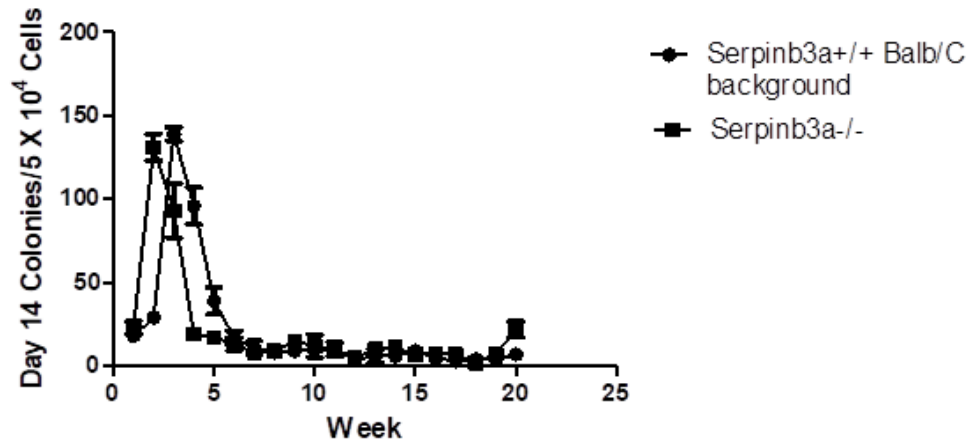
Supplementary Figure S2:



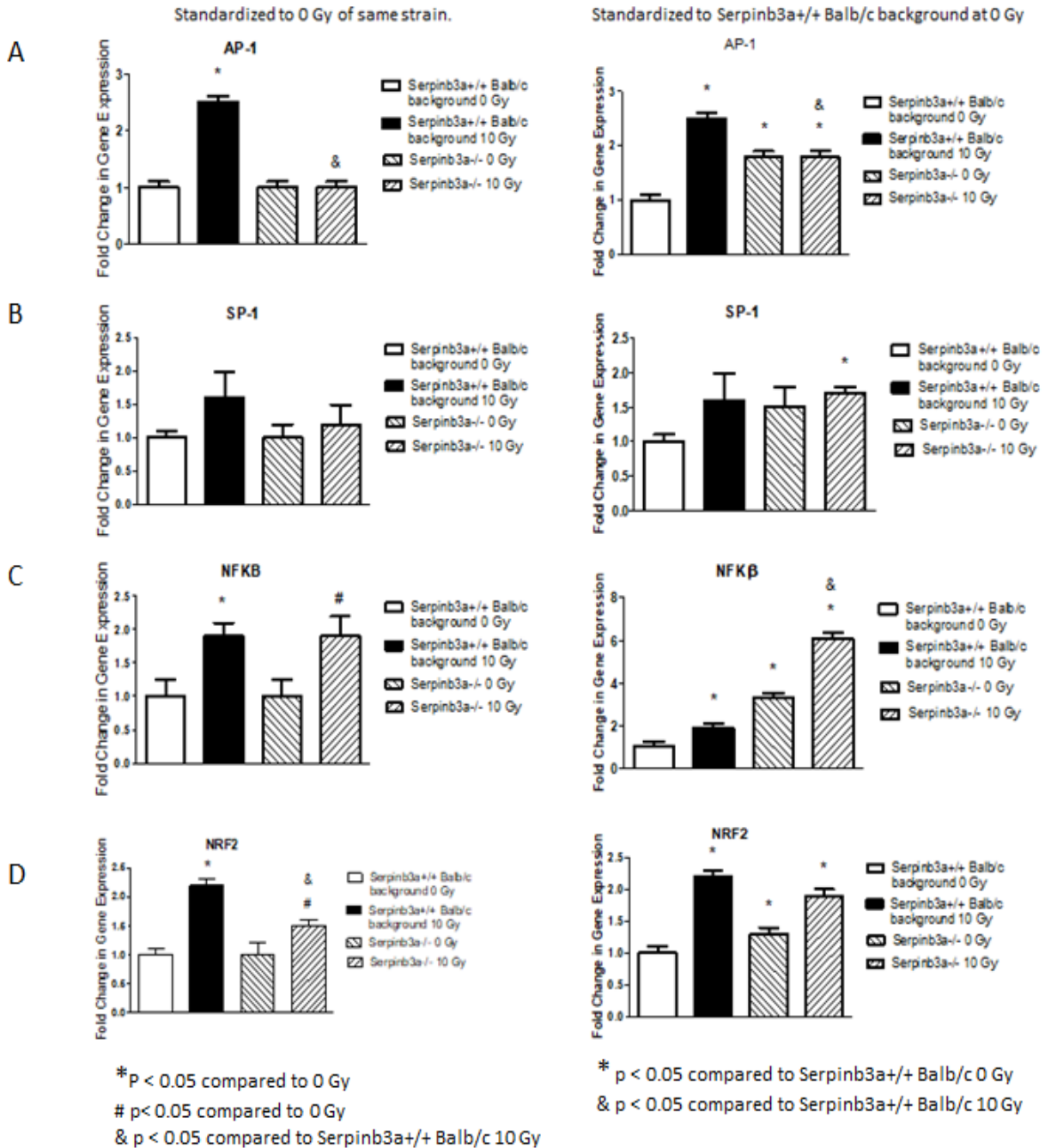
Supplementary Figure S3:

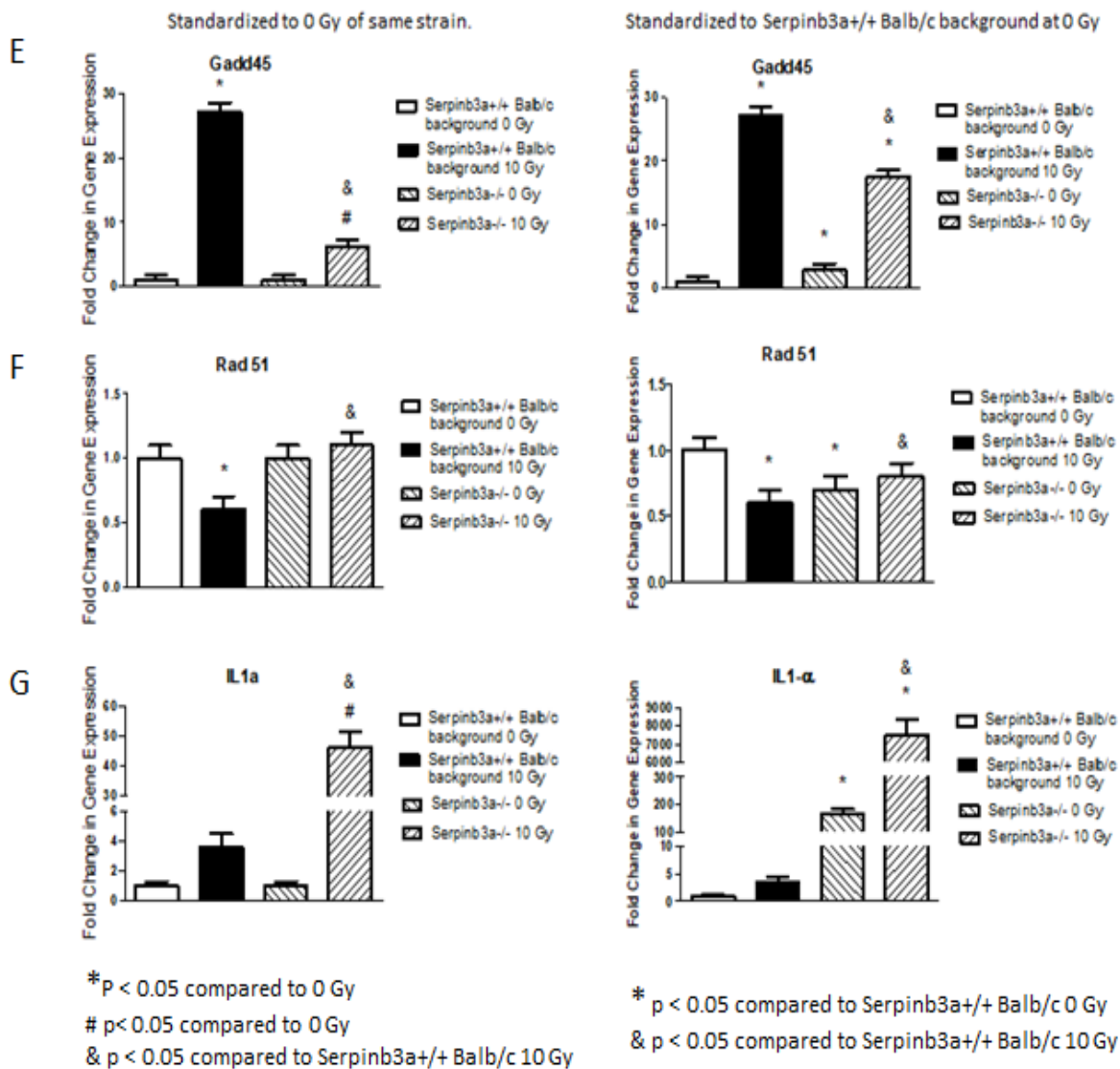


Supplementary Figure S4:



**Supplementary Figure S5: Increased 10 Gy Irradiation-Induced mRNA for Transcription Factors in Serpinb3a<sup>-/-</sup> Mouse Cells.**





**Supplementary Figure S6: A) Serpinb3a<sup>-/-</sup> Mouse Plasma Proteins Over 5 Days Post-8 Gy TBI; and B) Marrow Stromal Cell Line Proteins Over 24 Hours After 10 Gy Irradiation.**

**A.**

Mouse Plasma Protein Levels									
	Serpinb3a <sup>+/+</sup> Balb/C Background					Serpinb3a <sup>-/-</sup>			
	Day 1	Day 2	Day 3	Day 5		Day 1	Day 2	Day 3	Day 5
G-CSF	0.0100	<0.0001	<0.0001	<0.0001	G-CSF	0.0272	0.302	<0.0001	<0.0001
MCP-1	0.3993	<0.0001	0.0179	0.8605	MCP-1	0.7993	0.0888	0.3979	0.0661
IL-6	0.0567	<0.0001	0.1051	0.0242	IL-6	1.000	1.060	1.006	0.0001
KC	0.0811	<0.0001	0.0153	0.0002	KC	0.3109	0.5658	0.5030	<0.0001
Exotaxin	0.6202	0.0256	<0.0001	0.0002	Exotaxin	0.5822	0.2113	0.5758	0.8511
RANTES	0.0641	0.7574	0.3134	0.1007	RANTES	0.9326	0.1297	0.1664	0.3746
MIC	0.0889	0.1717	0.0019	0.00925	MIC	0.0786	0.7098	0.0008	0.1482
IP-10	0.2975	0.7964	0.41895	0.4762	IP-10	0.0859	0.3746	0.0016	0.1254
LIF	1.000	1.000	1.000	1.000	LIF	0.5853	0.5083	0.5083	0.5183
GM-CSF	0.4922	0.3005	0.6771	0.7728	GM-CSF	1.000	0.3677	0.9251	0.5324
IFN Beta	0.8949	0.0628	0.7644	0.7326	IFN-Beta	0.2431	0.1446	0.1405	0.0004
IL-1a	0.4002	0.5306	0.4583	0.9463	IL-1a	0.2153	0.3616	0.2915	0.2414
IL-1b	0.9953	0.1353	0.8548	0.4805	IL-1b	0.04678	0.7103	0.2810	0.4568
IL-2	0.9173	0.2170	0.5937	0.2621	IL-2	0.1892	0.0898	0.0004	0.5247
IL-5	0.4572	0.0022	<0.0001	<0.0001	IL-5	0.4535	0.0244	0.0006	0.0002
IL-7	0.6024	0.0545	0.5262	0.4506	IL-7	0.4616	0.5118	0.3041	0.3843
IL-9	0.0168	0.0748	0.0817	0.0384	IL-9	0.0793	0.9759	0.4574	0.8654
IL-10	0.2929	0.1092	0.4427	0.4027	IL-16	0.4595	0.2571	0.3493	1.000
IL-12 p40	0.7787	0.4223	0.6270	0.1580	IL-12 p40	0.9609	0.1853	0.4489	0.2689
IL-12-p70	0.7394	0.3529	0.9115	0.4860	IL-12-p70	0.1940	0.3776	0.3407	0.4509
IL-13	0.2544	0.5864	0.6963	0.4718	IL-13	0.0200	0.0048	0.0533	0.8553
LIX	0.0928	0.5083	0.2623	0.3087	LIX	0.0109	0.6015	0.8944	0.0262
IL-15	0.6973	0.0357	0.7647	0.7152	IL-15	0.3922	0.5310	0.2604	0.1954
MIP1a	0.3014	0.0168	0.1224	0.7591	MIP1a	0.9697	0.3155	0.8960	0.8430
MIP1b	0.1546	0.0024	0.5900	0.9638	MIP1b	0.0482	0.0402	0.1172	0.0624
MIP 2	0.7374	0.0963	0.5300	0.7167	MIP 2	0.5159	0.9057	0.6204	0.7920
MCSF	0.6842	0.0310	0.5647	0.7047	MCSF	0.7442	0.4323	0.3415	0.1560
TNF	0.9390	0.1912	0.1326	0.4226	TNF	0.5090	0.5911	0.7438	0.0641
IL-3	1.000	0.8458	0.8458	1.000	IL-3	0.1455	0.0863	0.1704	0.1975
IL-4	1.000	1.000	1.000	1.000	IL-4	1.000	1.000	1.000	1.000
IL-17	0.3250	0.0027	0.0449	0.1723	IL-17	0.5041	0.5801	0.7132	0.0152
VEGF	0.3346	0.7096	0.2572	0.1351	VEGF	0.5222	0.6871	0.8042	0.2215



## Supplementary Figure S6B:

### Stromal Cell Protein Levels

Cytokine	Serpib3a <sup>+/+</sup> Balb/c Background			Cytokine	Serpib3a <sup>-/-</sup>		
	Hour 1	Hour 3	Hour 24		Hour 1	Hour 3	Hour 24
G-CSF	<0.0001	0.0009	0.0919	G-CSF	0.0006	0.2780	0.2282
GM-CSF	0.0024	0.0216	0.0469	GM-CSF	0.2922	0.0076	0.1198
Exotaxin	0.0004	0.0082	0.0205	Exotaxin	0.0124	0.0022	0.0903
IL-6	<0.0001	0.0002	0.6871	IL-6	<0.0001	<0.0001	0.1989
LIF	0.0007	0.0019	0.6539	LIF	<0.0001	<0.0001	0.0016
KC	0.0009	0.0032	0.4456	KC	<0.0001	<0.0001	0.6011
INF-Beta	0.6368	0.3269	0.3375	INF-Beta	0.64086	0.7733	0.2696
IL-1a	0.1120	0.9571	0.8143	IL-1a	0.2038	0.1609	0.8231
IL-1b	<0.0001	<0.0001	0.1135	IL-1b	0.0545	0.0093	0.02629
IL-2	0.0476	0.0751	0.8407	IL-2	0.5393	0.2590	0.4651
IL-4	0.6131	0.4393	0.0881	IL-4	0.8055	0.6542	0.7595
IL-3	0.0128	0.0139	0.5831	IL-3	0.0817	0.1300	0.4686
IL-5	0.0144	0.0026	0.5370	IL-5	0.0194	0.0519	0.1427
IL-7	0.1227	0.0943	0.4867	IL-7	0.4407	0.9554	0.9683
IL-9	0.0155	0.0194	0.2773	IL-9	0.5734	0.7591	0.2130
IL-10	0.0590	0.0047	0.2943	IL-10	0.1201	0.5939	0.9160
IL-12 p40	0.0584	0.0812	0.4105	IL-12 p40	0.5953	0.7848	0.8002
IL-12-p70	0.0517	0.0134	0.0656	IL-12-p70	0.8248	0.8053	0.6428
IL-13	0.4669	0.4336	0.349	IL-13	0.1478	0.2453	0.1446
LIX	<0.0001	0.0004	0.0085	LIX	<0.0001	<0.0001	0.4014
IL-15	0.3835	0.3268	0.2810	IL-15	0.3806	0.8114	0.7699
IL-17	0.0147	0.0002	0.0186	IL-17	0.9349	0.9350	0.6363
IP-10	0.0046	0.0108	0.2143	IP-10	0.7379	0.6011	0.5694
MCP 1	0.0008	0.0034	0.7019	MCP-1	<0.0001	<0.0001	0.0298
MIP1a	<0.0001	<0.0001	0.6122	MIP1a	0.7998	0.9951	0.0062
MIP1b	0.7768	0.0073	0.2410	MIP1b	0.5375	0.7222	0.1662
MCSF	0.0489	0.0423	0.7163	MCSF	0.0004	0.0007	0.1238
MIP2	0.0036	0.0002	0.0676	MIP2	0.0001	0.0011	0.6419
MIG	<0.0001	<0.0001	0.2115	MIG	0.0024	0.0080	<0.0001
RANTES	0.4788	0.0095	0.9937	RANTES	0.2723	0.2752	0.8484
VEGF	<0.0001	<0.0001	0.0053	VEGF	0.0016	0.0005	0.4224
TNF	0.0018	0.0021	0.0136	TNF	0.0003	0.0041	0.1053
TGF-Beta	0.2070	0.6704	0.2283	TGF-Beta	0.8164	0.1466	0.0863

0.05 > P > 0.01	0.01 > P > 0.001	0.001 > P > 0.0001	P < 0.0001
0.05 > P > 0.01	0.01 > P > 0.001	0.001 > P > 0.0001	P < 0.0001

**Supplementary Tables S1 - 5:**

**Supplementary Table S1: Weekly measurement of percent confluence of adherent layer of Serpinb3a<sup>-/-</sup> mouse LTBMCS.**

group	Week 1	Week 2	Week 3	Week 4	Week 5
Serpinb3a <sup>-/-</sup>	41.9±6.6 (n=4)	48.8±6.3 (n=4)	34.4±3.1 (n=4)	74.4±5.5 (n=4)	78.8±6.6 (n=4)
Serpinb3a <sup>+/+</sup> Balb/c	26.9±2.4 (n=4) p=0.0052	48.1±2.4 (n=4) p=0.8588	41.9±2.4 (n=4) p=0.0090	75.6±1.3 (n=4) p=0.6872	78.1±2.4 (n=4) p=0.8648
group	Week 6	Week 7	Week 8	Week 9	Week 10
Serpinb3a <sup>-/-</sup>	88.1±4.3 (n=4)	93.8±1.4 (n=4)	95.0±0.0 (n=4)	95.0±0.0 (n=4)	95.0±0.0 (n=4)
Serpinb3a <sup>+/+</sup> Balb/c	86.9±3.8 (n=4) p=0.6754	94.4±1.2 (n=4) p=0.5370	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000
group	Week 11	Week 12	Week 13	Week 14	Week 15
Serpinb3a <sup>-/-</sup>	95.0±0.0 (n=4)	95.0±0.0 (n=4)	95.0±0.0 (n=4)	95.0±0.0 (n=4)	95.0±0.0 (n=4)
Serpinb3a <sup>+/+</sup> Balb/c	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000
group	Week 16	Week 17	Week 18	Week 19	Week 20
Serpinb3a <sup>-/-</sup>	95.0±0.0 (n=4)	95.0±0.0 (n=4)	95.0±0.0 (n=4)	95.0±0.0 (n=4)	95.0±0.0 (n=4)
Serpinb3a <sup>+/+</sup> Balb/c	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000	95.0±0.0 (n=4) p=1.0000

Analysis of weekly percent confluence of adherent cells, where data are summarized as mean ± standard deviation, n is the number of mice used, and p is the p-value for comparison between Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup> Balb/c background strain groups with the two-sided two sample t-test. Significant p-values are shown in red color.

**Supplementary Table S2: Weekly cobblestone islands in adherent layer of**

**Serpinb3a<sup>-/-</sup> LTBMCS.**

group	Week 1	Week 2	Week 3	Week 4	Week 5
Serpinb3a <sup>-/-</sup>	99.6±41.4 (n=4)	354.3±106.4 (n=4)	121.9±64.2 (n=4)	110.5±45.4 (n=4)	85.1±26.6 (n=4)
Serpinb3a <sup>+/+</sup> Balb/c	13.0±5.0 (n=4) <b>p=0.0239</b>	140.0±46.3 (n=4) <b>p=0.0102</b>	106.5±18.5 (n=4) p=0.6617	258.5±39.2 (n=4) <b>p=0.0026</b>	257.5±89.6 (n=4) <b>p=0.0102</b>
group	Week 6	Week 7	Week 8	Week 9	Week 10
Serpinb3a <sup>-/-</sup>	97.8±44.6 (n=4)	332.9±126.4 (n=4)	621.5±293.9 (n=4)	1107.6±511.3 (n=4)	1222.3±425.5 (n=4)
Serpinb3a <sup>+/+</sup> Balb/c	223.0±45.2 (n=4) <b>p=0.0076</b>	306.3±55.8 (n=4) p=0.7132	371.0±126.0 (n=4) p=0.1682	553.3±145.0 (n=4) p=0.0820	778.0±197.8 (n=4) p=0.1071
group	Week 11	Week 12	Week 13	Week 14	Week 15
Serpinb3a <sup>-/-</sup>	1454.9±540.9 (n=4)	1637.5±735.0 (n=4)	1533.6±544.2 (n=4)	1452.8±428.4 (n=4)	1315.9±368.2 (n=4)
Serpinb3a <sup>+/+</sup> Balb/c	891.5±82.7 (n=4) p=0.1275	1100.0±224.6 (n=4) p=0.2114	985.0±193.7 (n=4) p=0.1062	884.5±272.6 (n=4) p=0.0665	857.5±256.5 (n=4) p=0.0871
group	Week 16	Week 17	Week 18	Week 19	Week 20
Serpinb3a <sup>-/-</sup>	962.0±364.6 (n=4)	1082.6±482.0 (n=4)	946.3±463.5 (n=4)	837.9±432.9 (n=4)	760.5±308.9 (n=4)
Serpinb3a <sup>+/+</sup> Balb/c	962.0±99.7 (n=4) p=1.0000	880.5±99.1 (n=4) p=0.4673	638.0±215.6 (n=4) p=0.2732	563.5±211.6 (n=4) p=0.2981	570.0±311.8 (n=4) p=0.4187

Analysis of the numbers of cobblestone islands, where data are summarized as mean ± standard deviation, n is the number of mice used, and p is the p-value for comparison between Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup> Balb/c background strain groups with the two-sided two sample t-test. Significant p-values are shown in red color.

**Supplementary Table S3: Weekly production of nonadherent cells per flask of**

**Serp**inb**3a<sup>-/-</sup> mouse LTBMCs.**

group	Week 1	Week 2	Week 3	Week 4	Week 5
Serp <b>inb</b> 3a <sup>-/-</sup>	3.6±0.3 (n=4)	2.3±0.9 (n=4)	8.1±3.7 (n=4)	13.1±3.3 (n=4)	16.7±3.2 (n=4)
Serp <b>inb</b> 3a <sup>+/+</sup> Balb/c	3.3±0.5 (n=4) p=0.3401	1.1±0.2 (n=4) p=0.0669	1.0±0.3 (n=4) p=0.0295	2.9±0.8 (n=4) p=0.0069	11.5±2.5 (n=4) p=0.0466
group	Week 6	Week 7	Week 8	Week 9	Week 10
Serp <b>inb</b> 3a <sup>-/-</sup>	15.0±1.8 (n=4)	13.0±3.9 (n=4)	10.4±2.7 (n=4)	12.2±3.7 (n=4)	10.0±1.0 (n=4)
Serp <b>inb</b> 3a <sup>+/+</sup> Balb/c	11.5±1.5 (n=4) p=0.0255	7.4±2.4 (n=4) p=0.0520	5.3±2.1 (n=4) p=0.0260	4.7±1.9 (n=4) p=0.0109	5.2±1.1 (n=4) p=0.0006
group	Week 11	Week 12	Week 13	Week 14	Week 15
Serp <b>inb</b> 3a <sup>-/-</sup>	8.7±2.3 (n=4)	9.2±2.2 (n=4)	7.1±1.2 (n=4)	5.2±2.2 (n=4)	5.3±2.2 (n=4)
Serp <b>inb</b> 3a <sup>+/+</sup> Balb/c	5.7±1.2 (n=4) p=0.0579	7.0±1.1 (n=4) p=0.1199	4.2±1.7 (n=4) p=0.0296	3.7±2.3 (n=4) p=0.3884	3.6±1.7 (n=4) p=0.2648
group	Week 16	Week 17	Week 18	Week 19	Week 20
Serp <b>inb</b> 3a <sup>-/-</sup>	3.6±1.8 (n=4)	4.2±1.1 (n=4)	3.3±1.1 (n=4)	2.2±0.2 (n=4)	2.4±0.2 (n=4)
Serp <b>inb</b> 3a <sup>+/+</sup> Balb/c	3.2±1.2 (n=4) p=0.6837	3.4±1.3 (n=4) p=0.4293	2.0±0.9 (n=4) p=0.1120	1.7±1.0 (n=4) p=0.3894	2.0±0.9 (n=4) p=0.4531

Analysis of weekly non-adherent cell number ( $\times 1000000$ ) data, where data are summarized as mean  $\pm$  standard deviation, n is the number of mice used, and p is the p-value for comparison between Serp**inb**3a<sup>-/-</sup> and Serp**inb**3a<sup>+/+</sup> Balb/c background strain groups with the two-sided two sample t-test. Significant p-values are shown in red color.

**Supplementary Table S4: Weekly production of nonadherent cells per flask that contain day 7 colony forming hematopoietic progenitor cells.**

group	Week 1	Week 2	Week 3	Week 4	Week 5
Serpinb3a <sup>-/-</sup>	13.0±2.6 (n=3)	111.3±13.6 (n=3)	84.7±7.4 (n=3)	16.0±3.5 (n=3)	14.3±1.5 (n=3)
Serpinb3a <sup>+/+</sup> Balb/c	13.7±3.8 (n=3) p=0.8149	24.3±6.4 (n=3) p=0.0006	126.7±1.5 (n=3) p=0.0006	87.0±10.4 (n=3) p=0.0004	33.7±3.8 (n=3) p=0.0012
group	Week 6	Week 7	Week 8	Week 9	Week 10
Serpinb3a <sup>-/-</sup>	8.7±3.8 (n=3)	6.7±0.6 (n=3)	8.0±2.6 (n=3)	12.0±2.0 (n=3)	11.7±2.5 (n=3)
Serpinb3a <sup>+/+</sup> Balb/c	12.7±0.6 (n=3) p=0.2065	9.7±2.3 (n=3) p=0.0944	7.0±1.7 (n=3) p=0.6130	7.7±2.9 (n=3) p=0.0994	7.7±2.1 (n=3) p=0.1012
group	Week 11	Week 12	Week 13	Week 14	Week 15
Serpinb3a <sup>-/-</sup>	8.3±3.2 (n=3)	6.3±0.6 (n=3)	9.3±1.5 (n=3)	9.7±2.3 (n=3)	5.7±2.9 (n=3)
Serpinb3a <sup>+/+</sup> Balb/c	7.3±1.2 (n=3) p=0.6388	3.0±1.7 (n=3) p=0.0341	6.3±3.2 (n=3) p=0.2181	5.3±1.5 (n=3) p=0.0535	6.0±1.7 (n=3) p=0.8722
group	Week 16	Week 17	Week 18	Week 19	Week 20
Serpinb3a <sup>-/-</sup>	5.3±1.2 (n=3)	5.0±2.0 (n=3)	1.7±1.2 (n=3)	5.3±0.6 (n=3)	17.7±2.9 (n=3)
Serpinb3a <sup>+/+</sup> Balb/c	3.7±1.2 (n=3) p=0.1518	3.7±1.2 (n=3) p=0.3739	3.0±1.0 (n=3) p=0.2051	3.7±1.2 (n=3) p=0.0890	5.7±1.5 (n=3) p=0.0031

Analysis of day 7 colony counts at each week, where data are summarized as mean ± standard deviation, n is the sample size, and p is the p-value for comparison between Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup> Balb/c background strain groups with the two-sided two sample t-test. Significant p-values are shown in red color.

**Supplementary Table S5: Weekly production of nonadherent cells per flask that contain day 14 colony forming hematopoietic progenitor cells.**

group	Week 1	Week 2	Week 3	Week 4	Week 5
Serpinb3a <sup>-/-</sup>	23.0±4.4 (n=3)	130.7±8.0 (n=3)	93.0±15.7 (n=3)	19.3±2.1 (n=3)	17.0±2.0 (n=3)
Serpinb3a <sup>+/+</sup> Balb/c	17.7±0.6 (n=3) p=0.1661	29.0±3.0 (n=3) <b>p&lt;0.0001</b>	139.0±3.6 (n=3) <b>p=0.0078</b>	96.0±11.3 (n=3) <b>p=0.0003</b>	39.0±7.8 (n=3) <b>p=0.0091</b>
group	Week 6	Week 7	Week 8	Week 9	Week 10
Serpinb3a <sup>-/-</sup>	12.7±3.8 (n=3)	7.7±1.2 (n=3)	9.0±2.0 (n=3)	13.7±1.5 (n=3)	12.3±6.7 (n=3)
Serpinb3a <sup>+/+</sup> Balb/c	16.7±3.8 (n=3) p=0.2653	11.0±3.6 (n=3) p=0.2020	8.0±1.0 (n=3) p=0.4818	9.3±1.5 (n=3) <b>p=0.0255</b>	9.7±2.1 (n=3) p=0.5441
group	Week 11	Week 12	Week 13	Week 14	Week 15
Serpinb3a <sup>-/-</sup>	10.0±4.0 (n=3)	5.3±1.2 (n=3)	9.7±1.2 (n=3)	11.0±3.6 (n=3)	6.7±2.5 (n=3)
Serpinb3a <sup>+/+</sup> Balb/c	8.7±1.5 (n=3) p=0.6183	4.0±1.7 (n=3) p=0.3295	6.3±4.0 (n=3) p=0.2415	6.0±1.0 (n=3) p=0.0816	8.7±2.5 (n=3) p=0.3855
group	Week 16	Week 17	Week 18	Week 19	Week 20
Serpinb3a <sup>-/-</sup>	6.7±0.6 (n=3)	6.7±2.3 (n=3)	2.0±1.7 (n=3)	7.3±1.5 (n=3)	21.7±4.7 (n=3)
Serpinb3a <sup>+/+</sup> Balb/c	5.0±1.0 (n=3) p=0.0668	3.3±0.6 (n=3) p=0.0723	4.0±1.0 (n=3) p=0.1583	4.3±0.6 (n=3) <b>p=0.0335</b>	7.0±0.0 (n=3) <b>p=0.0329</b>

Analysis of day 14 colony counts at each week, where data are summarized as mean ± standard deviation, n is the sample size, and p is the p-value for comparison between Serpinb3a<sup>-/-</sup> and Serpinb3a<sup>+/+</sup> Balb/c background strain groups with the two-sided two sample t-test. Significant p-values are shown in red color.