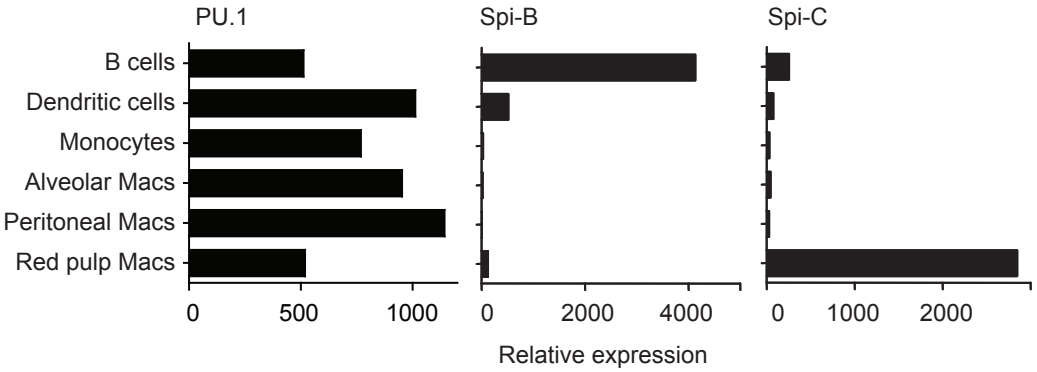
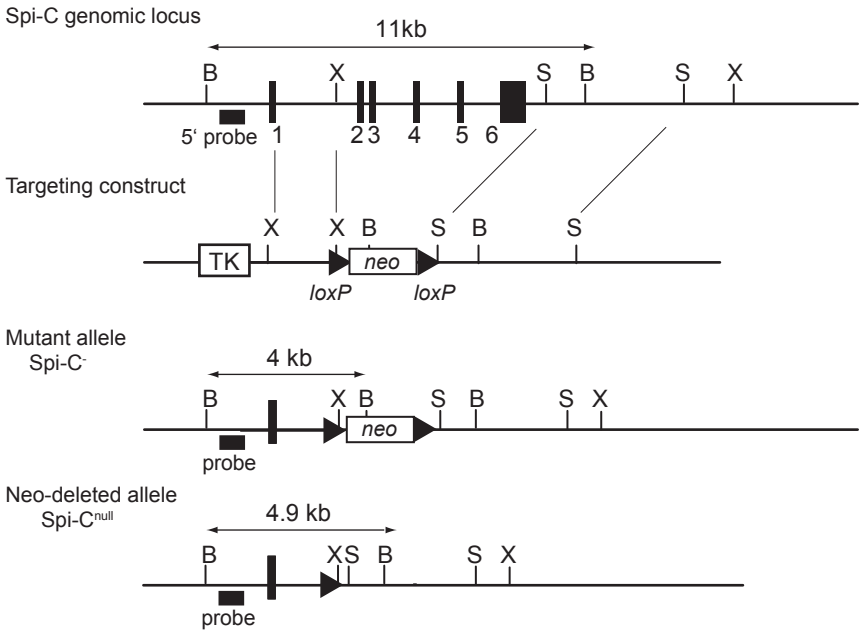
Murphy Supplementary fig.1



Murphy Supplementary fig.2

a



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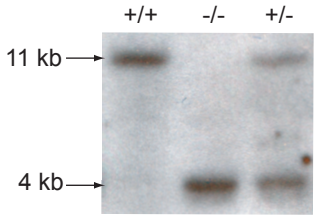
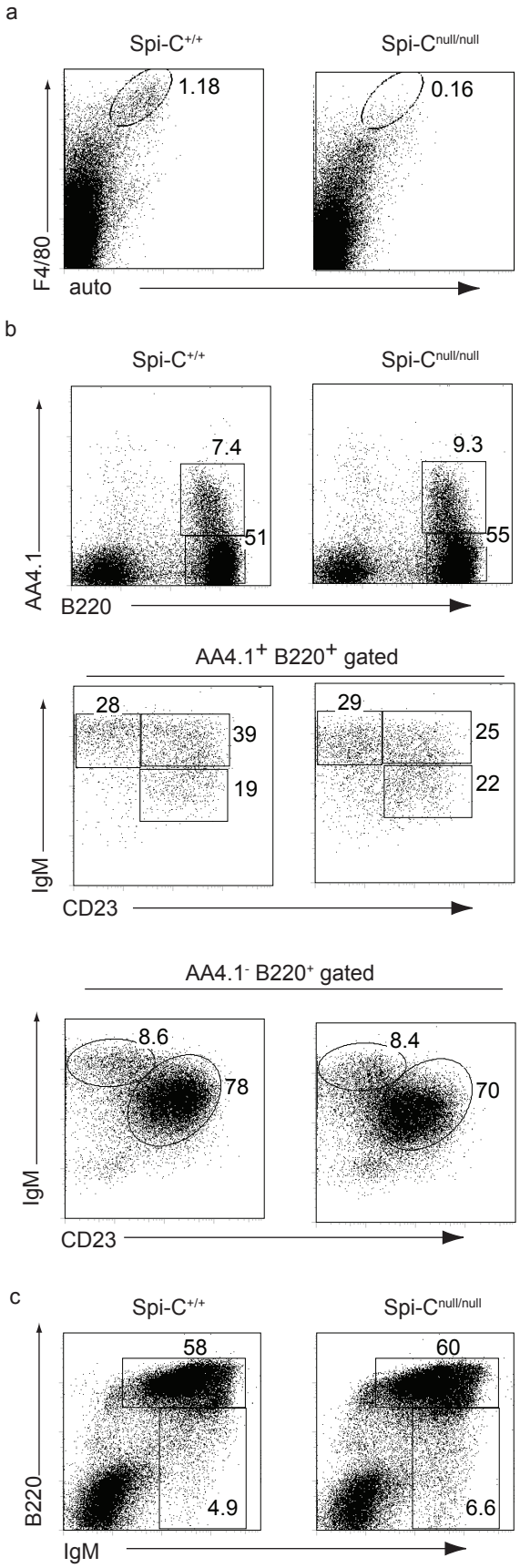
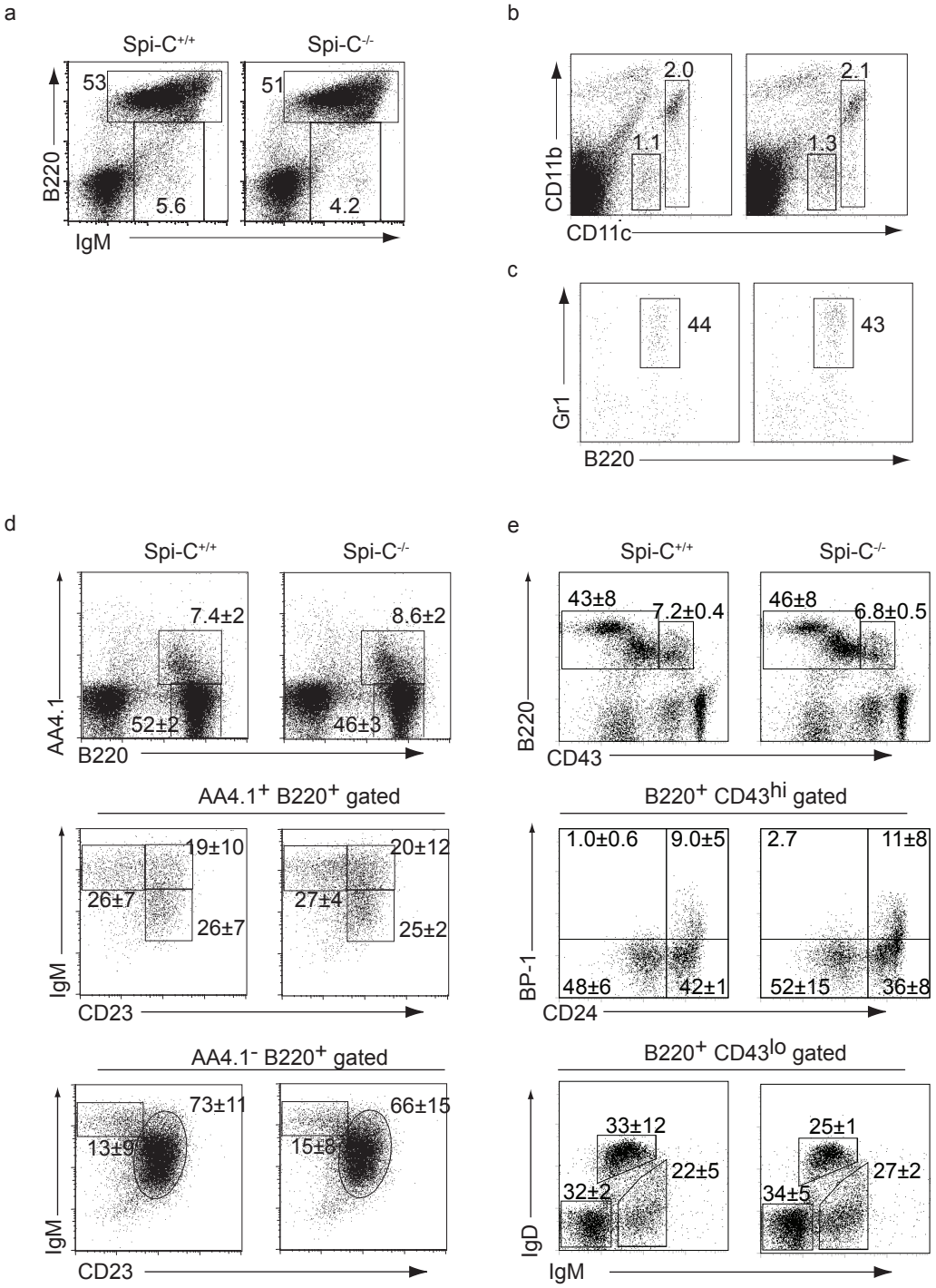


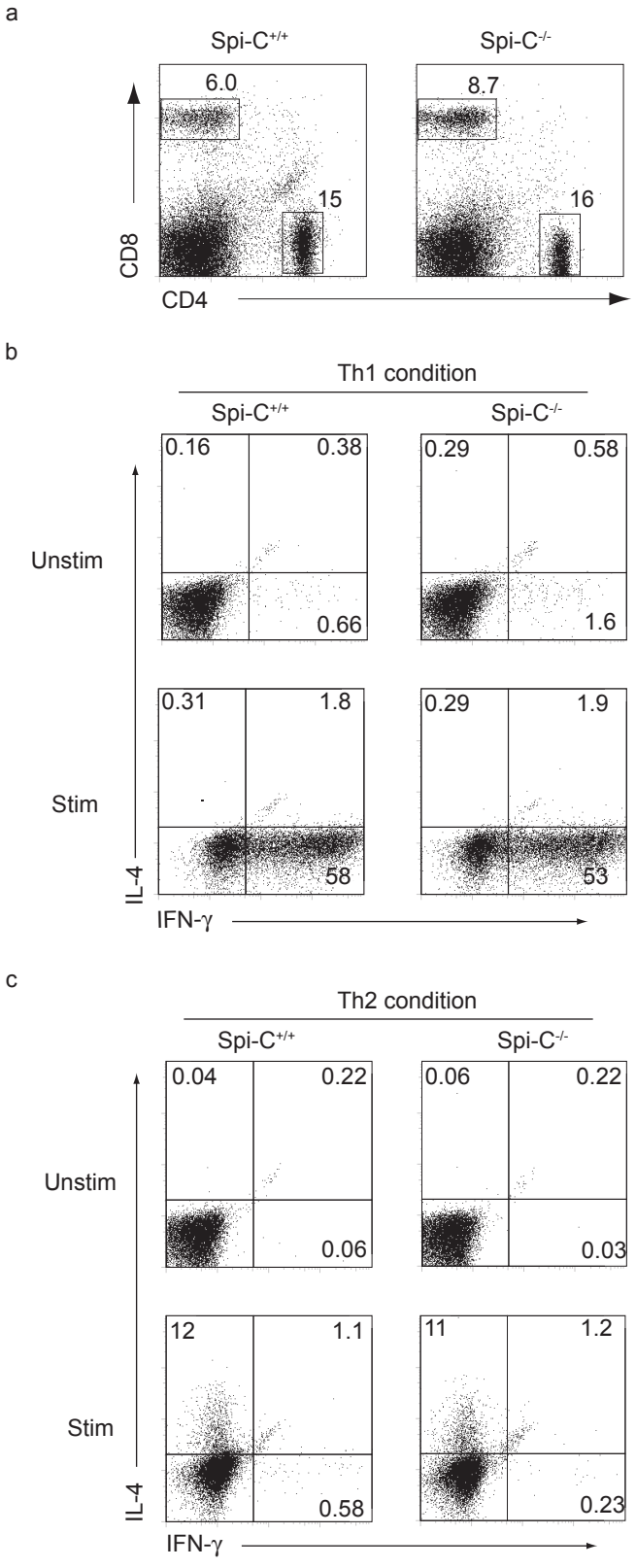
Murphy Supplementary fig.3



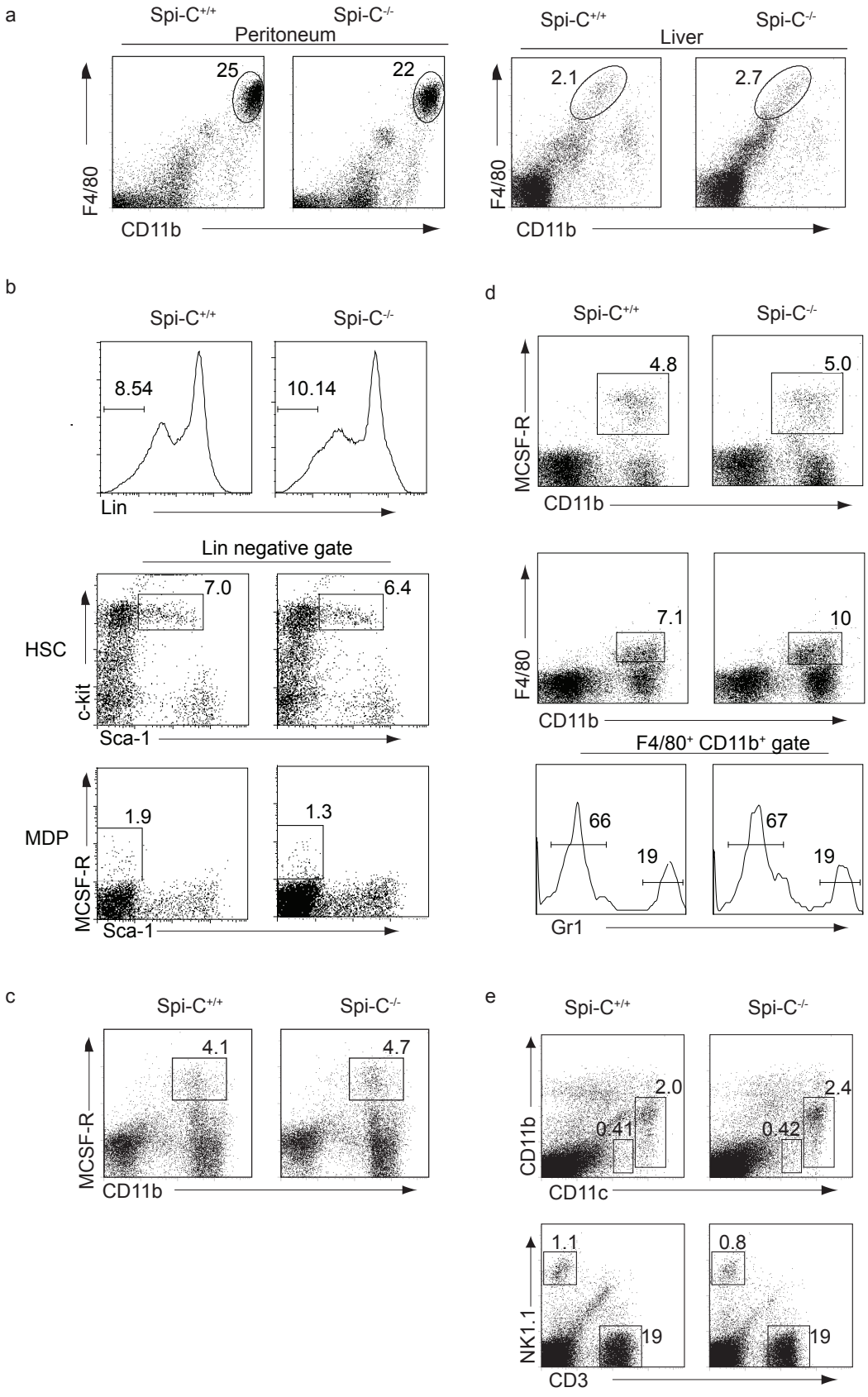
Murphy Supplementary fig.4



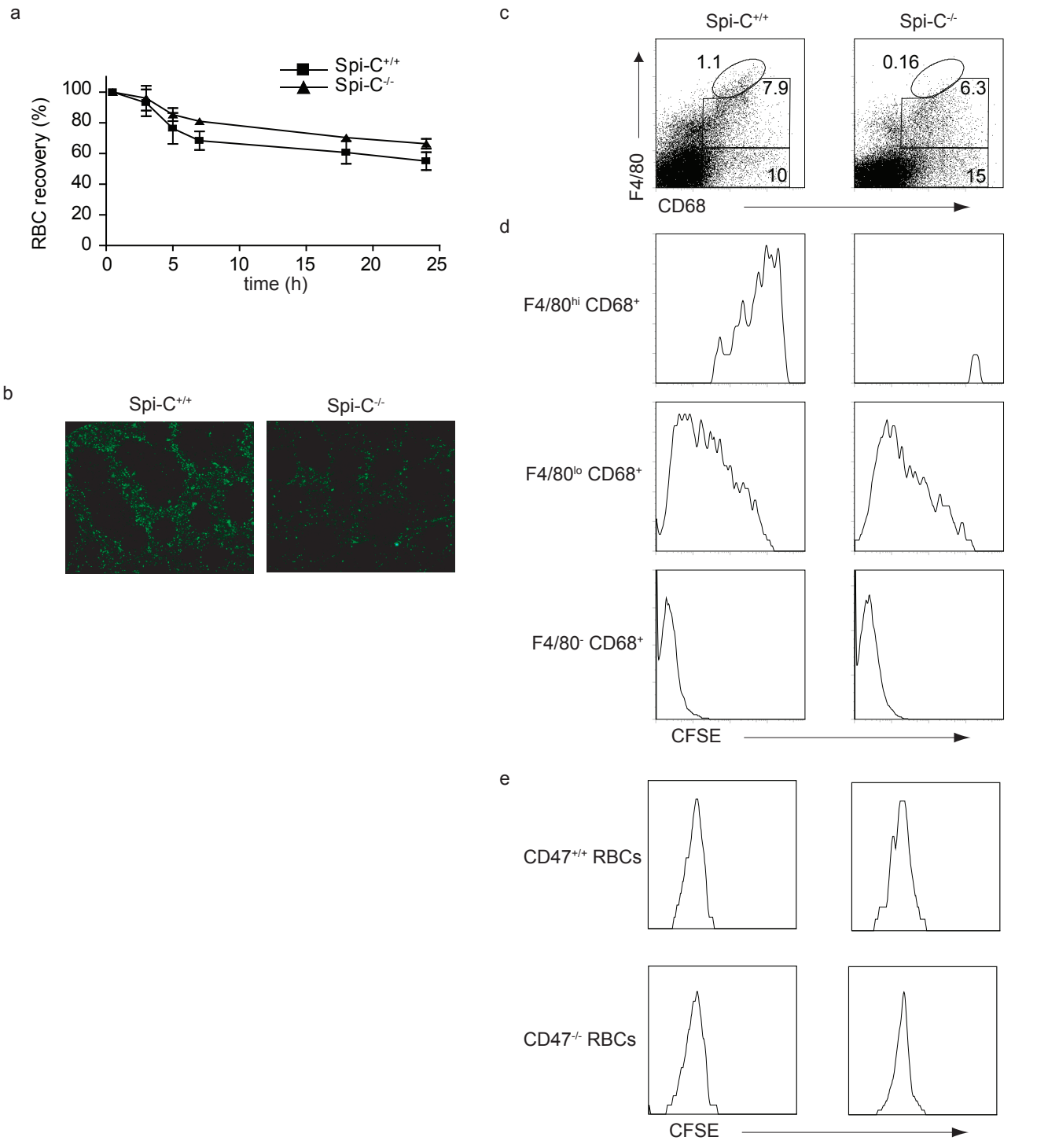
Murphy Supplementary fig.5



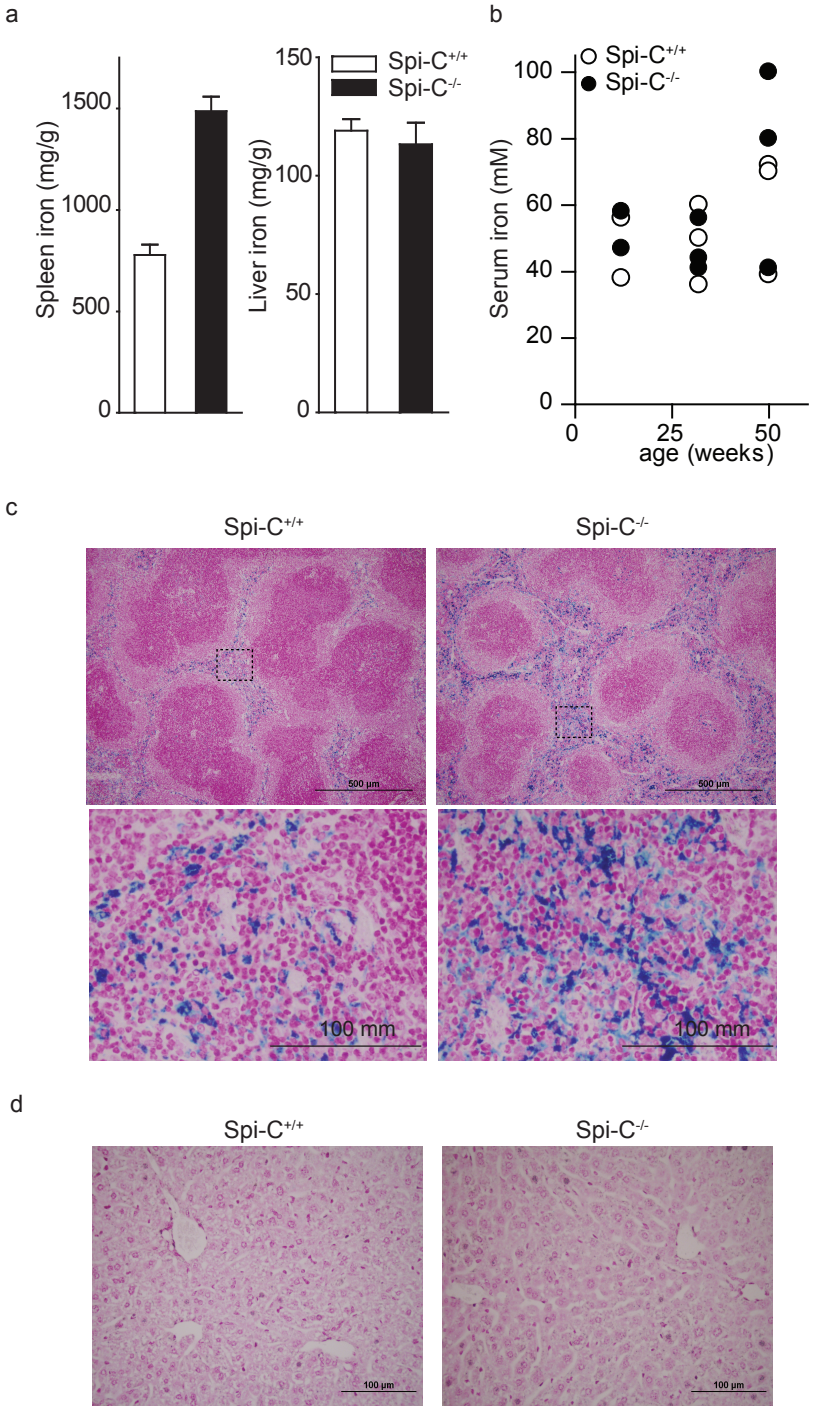
Murphy Supplementary fig. 6



Murphy Supplementary fig.7

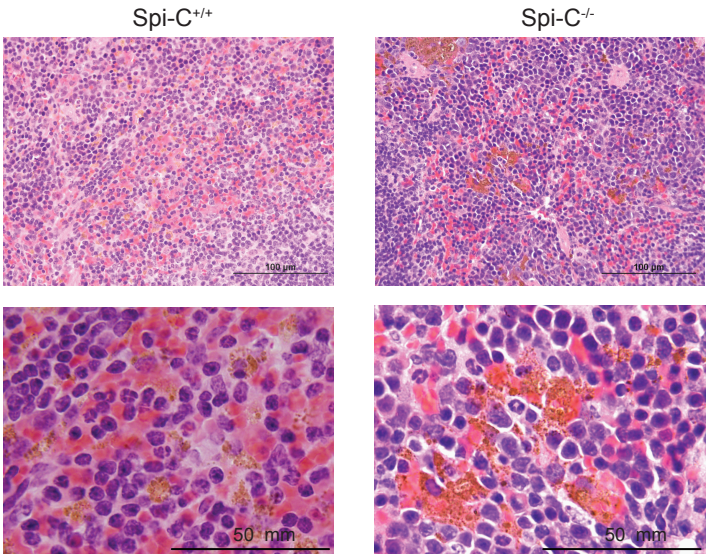


Murphy Supplementary fig.8



Murphy Supplementary fig.9

a



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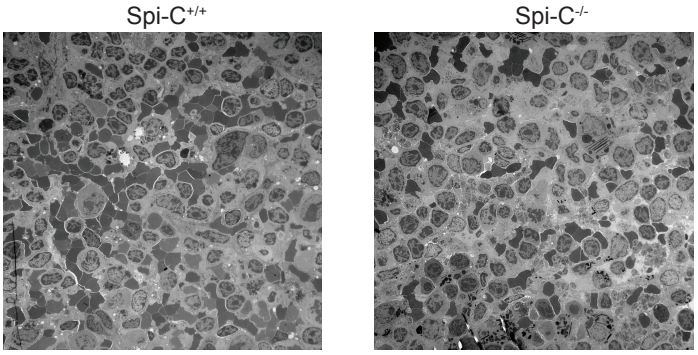
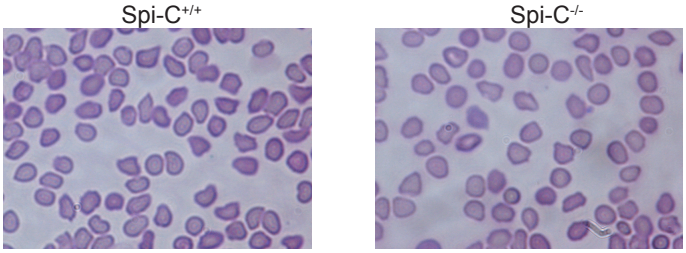
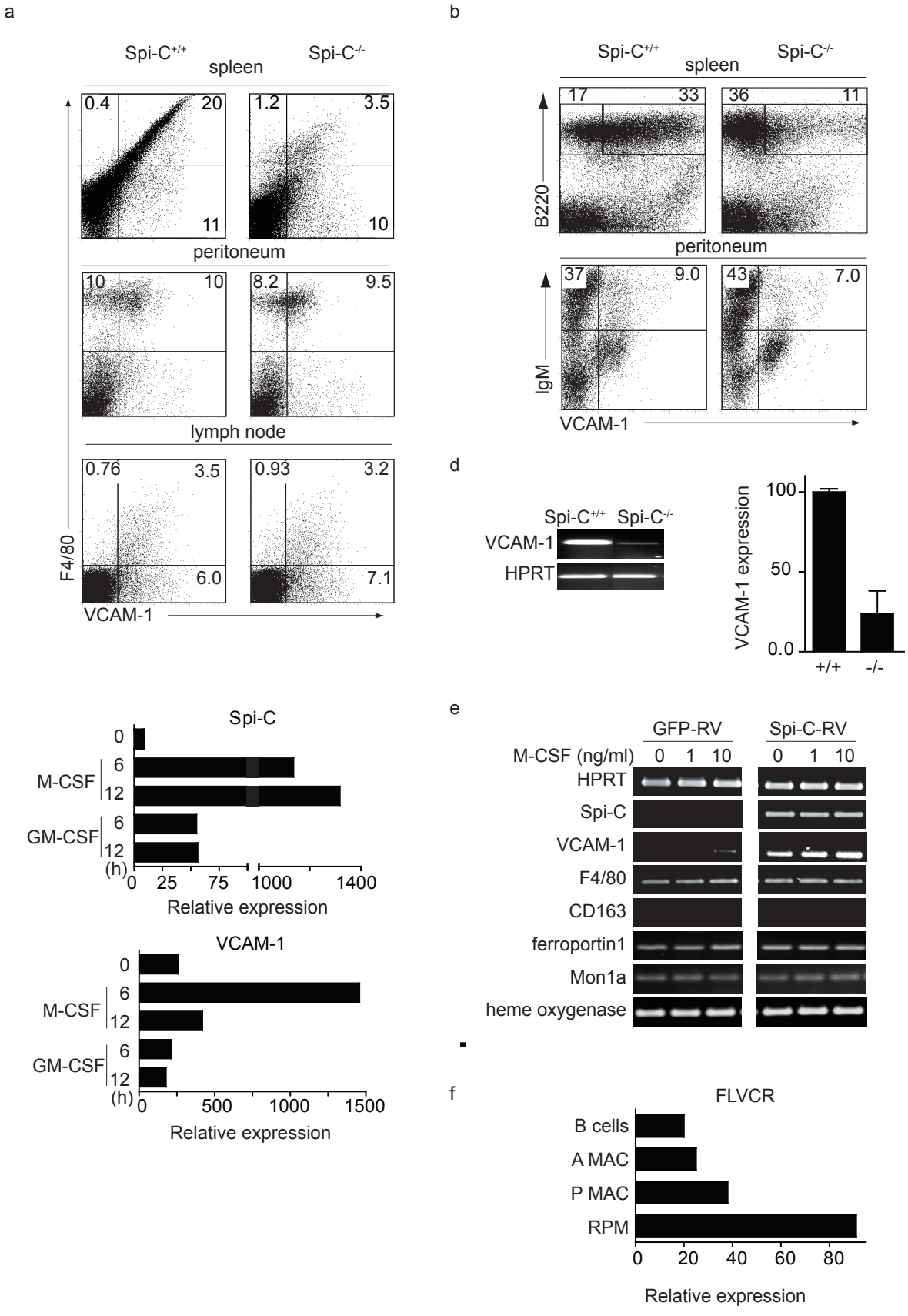


C



Murphy Supplementary fig.10



Supplementary Table 1-a. B cell subsets in bone marrow

	Fr.A-C		Fr.D-F		Fr.A		Fr.B		Fr.C		Fr.D		Fr.E		Fr.F	
	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$
exp.1	35.9	36.8	6.7	6.5	44.1	38.8	42.0	42.8	12.1	16.8	32.9	40.3	17.0	26.0	45.7	26.1
exp.2	36.4	42.2	7.6	7.3	42.0	36.7	44.1	42.3	12.9	18.8	31.6	35.6	20.6	30.0	39.6	26.0
exp.3	50.9	51.3	7.5	7.2	54.4	70.7	41.3	26.0	4.0	3.5	34.4	30.1	26.0	27.0	20.8	24.0
exp.4	49.2	54.9	7.3	6.3	50.6	60.5	43.9	34.0	5.0	5.1	30.7	30.1	26.0	27.0	24.6	24.0
average	43.1	46.3	7.3	6.8	47.8	51.7	42.8	36.3	8.5	11.1	32.4	34.0	22.4	27.5	32.7	25.0
SD	8.1	8.3	0.4	0.5	5.7	16.6	1.4	8.0	4.6	7.9	1.6	4.9	4.4	1.7	11.9	1.2

Bone marrow cells from Spi-C$^{+/+}$ and Spi-C$^{-/-}$ mice were staied for B220, CD43, BP-1 and CD24, or IgM and IgD, to identify B cell developmnet subsets. Fr.A-C (B220^{+} CD43^{+}), Fr.D-F(B220^{+}, CD43^{-}), Fr.A(B220^{+} CD43^{+} BP-1^{-} CD24^{-}), Fr.B(B220^{+} CD43^{+}BP-1^{-}CD24^{+}), Fr.C(B220^{+} CD43^{+} BP-1^{+} CD24^{+}), Fr.D(B220^{+} CD43^{-} IgM^{-} IgD^{-}), Fr.E(B220^{+} CD43^{-} IgM^{-} IgD^{lo}), Fr.F(B220^{+} CD43^{-} IgM^{lo} IgD^{hi}).

Supplementary Table 1-b. B cell subsets in spleen

	Immature T1		Immature T2		Immature T3		Marginal zone B		Follicular B	
	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$	Spi-C$^{+/+}$	Spi-C$^{-/-}$
exp.1	16.6	23	31.2	33	35	26	4.9	8.5	84	78
exp.2	26.6	25	25.2	28	28	27	6.7	7.8	81	80
exp.3	29	30	13.5	10	24	23	16	22	66	56
exp.4	34	32	7.2	10	18	22	24	22	60	51
average	26.6	27.5	19.3	20.3	26.3	24.5	12.9	15.1	72.8	66.3
SD	7.3	4.2	10.9	12.0	7.1	2.4	8.9	8.0	11.6	14.9

Spleen cells from Spi-C$^{+/+}$ and Spi-C$^{-/-}$ mice were staied for B220, CD23 , AA4.1, and IgM to identify B cell developmnet subsets. Immature transitional 1 B(T1) (B220^{+} AA4.1^{+} IgM^{+} CD23^{-}), immature T2 (B220^{+} AA4.1^{+} IgM^{+} CD23^{+}), immature T3 (B220^{+} AA4.1^{+} IgM^{-} CD23^{+}), marginal zone B (B220^{+} AA4.1^{-} IgM^{+} CD23^{-}), follicular B(B220^{+} AA4.1^{-} IgM$^{+/lo}$ CD23^{+}).

Supplementary Table 2. Erythroid parameters

mice	n	RBC $10^6/mm^3$	Hb g/dl	Hct %	MCV fl	PLAT thsu/cu mm
Spi-$C^{+/+}$	6	9.35 ± 0.59	14.7 ± 0.72	51.4 ± 2.27	55.2 ± 4.50	695 ± 89
Spi-$C^{-/-}$	6	9.51 ± 0.10	14.8 ± 0.74	51.9 ± 4.43	54.8 ± 4.24	693 ± 19

Red blood cells (RBC), hemoglobin concentration (Hb), hematocrit (Hct), mean corpuscular volume (MCV) and platelet counts (PLAT) analyzed in Spi-$C^{+/+}$ and Spi-$C^{-/-}$ female mice at 10 to 16 weeks of age. Data are presented as mean ± SD.