

Supplemental Tables

Table S1. PCR primer sequences

mSUV39H1-F	GCACAAGTTTGCCTACAATGACC
mSUV39H1-B	GATGCCTTTCTGGACTACACGG
mRPL13a-F	AAGTTTGCTTACCTGGGGCGTCTG
mRPL13a-B	ATCTGCTTCTTCTTCCGATAGTGC
mIFNg-F	CCATCAGCAACAACATAAGCGTC
mIFNg-B	TCTCTTCCCCACCCCGAATCAGCAG
mFasL-F	GTCAGTTTTTCCCTGTCCATCTTG
mFasL-B	CCTAATCCCATTCCAACCAGAGC
mGZMB-F	GCCCACAACATCAAAGAACAGG
mGZMB-B	CCAACCAGCCACATAGCACAC
mPRF1-F	CCTATGGCACGCACTTTATCACG
mPRF1-B	TTCACTGGAGACGCTGGCTTGG
mIFNgCHIP1-F1	AAGTCTCCAGCAGCAGAAGGTG
mIFNgCHIP1-B1	GACAGTCAGGAACATCTCTTGGTTG
mIFNgCHIP2-F1	CCTTTTCTTCTTTCTGGGCACG
mIFNgCHIP2-B1	TTTGTGGTTGGGGACGGCTG
mIFNgCHIP3-F1	CAAAACTACGCAGGGAAACAGC
mIFNgCHIP3-B1	TAAAACAACCTTCGGGGGAGGGGGGC
mGZMBCHIP1-F1	TGTTGCTGTGCTGGTCATTGTG
mGZMBCHIP1-B1	CTCAGGGTGCTGTGCCAAAG
mGZMBCHIP2-F1	ACCAGGCTCTTCCCATCCTTAG
mGZMBCHIP2-B1	CGTGGCAAACCCATTCTTATG
mGZMBCHIP3-F1	GTGTTTATGACCCCGAGTAGATG
mGZMBCHIP3-B1	GAGCCCTGTGAAGCACTGAGTTAG
mPerforinCHIP1-F1	AGCCATCTCTCCAGCCCCTG
mPerforinCHIP1-B1	TCCATCACCTCCCCCTTGC
mPerforinCHIP2-F1	TTTTACCCACCTCATAACCAGCAC
mPerforinCHIP2-B1	CCCCTTCTGTCCATACCTACATC
mPerforinCHIP3-F1	AAGACCTCTGCTCACCCCACTC
mPerforinCHIP3-B1	CCACGGATGGAGAACTGGC
mFasLCHIP1-F1	GGAGGCTGAAAGGACTGAGTTTG
mFasLCHIP1-B1	CTGCTGAAGGAAAAATGGATGC
mFasLCHIP2-F1	GAAAGTAATGGGAACCGAGACTGAG
mFasLCHIP2-B1	ACACACACACACACACACAAG
mFasLCHIP3-F1	TCACCACTACCACCGCCATC
mFasLCHIP3-B1	TCCAACCAGAGCCACCAGAAC
mNXF2CHIP-F1	CCAAGGAATGTGGGTGGTTAGTG
mNXF2CHIP-B1	GATGCCGTGAACAGGGGAAC

Table S2. Mouse body weight change after F5446 treatment

Day of weight measurement**	Vehicle*		F5446 10 mg/kg*		F5446 20 mg/kg*	
	% change	CV (%)	% change	CV (%)	% change	CV (%)
1	0.02	0.50	0.02	6.92	0.00	3.81
3	7.38	2.55	1.59	6.36	-3.01	3.53
5	9.74	2.72	2.26	8.36	-1.04	3.76
7	8.96	3.31	1.48	6.55	-6.53	7.23
9	8.85	5.50	2.59	5.01	-6.94	4.41
11	8.29	6.17	2.48	4.73	-5.08	1.36
13	10.3	6.93	3.04	4.63	-8.39	2.09
14	11.5	6.89	2.26	4.73	-6.74	2.91

* N=5 for all three groups. ** Weight measurement was conducted immediately after dosing except at end point-Sacrificed

Table S3. Hematology values^a of C57BL/6J mice treated with vehicle or F5446.

Test**	Vehicle	F5446	
		10 mg/kg	20 mg/kg
WBC # (K/ μ L)	7.85 \pm 2.85	8.03 \pm 1.45	7.28 \pm 2.35
Neutrophil # (K/ μ L)	2.12 \pm 1.12	1.89 \pm 0.92	1.86 \pm 0.77
Lymphocyte # (K/ μ L)	5.32 \pm 1.79	5.79 \pm 0.95	4.70 \pm 1.31
Monocyte # (K/ μ L)	0.31 \pm 0.18	0.32 \pm 0.05	0.48 \pm 0.31
Eosinophil # (K/ μ L)	0.08 \pm 0.07	0.03 \pm 0.01	0.19 \pm 0.18
Basophil # (K/ μ L)	0.04 \pm 0.03	0.01 \pm 0.01	0.04 \pm 0.04
nucleated RBCs # (K/ μ L)	0 \pm 0	0 \pm 0	0 \pm 0
Hematocrit (%)	36.4 \pm 1.5	34.2 \pm 1.2	31.8 \pm 1.4
RBC (M/ μ L)	8.23 \pm 0.38	7.93 \pm 0.31	7.29 \pm 0.39
Hemoglobin (g/dL)	12.5 \pm 0.6	12.2 \pm 0.4	11.2 \pm 0.5
MCV (fL)	44.3 \pm 1.5	43.1 \pm 0.5	43.6 \pm 0.7
MCH (pg)	15.2 \pm 0.8	15.4 \pm 0.2	15.4 \pm 0.5
MCHC (g/dL)	34.3 \pm 0.9	35.7 \pm 0.4	35.3 \pm 1.3
RDW (%)	12.5 \pm 0.5	12.2 \pm 0.1	13.4 \pm 1.7
Reticulocyte # (K/ μ L)	7.0 \pm 14.0	2.6 \pm 4.0	26.2 \pm 23.3
Reticulocyte (%)	0.09 \pm 0.18	0.03 \pm 0.05	0.37 \pm 0.34
Platelet # (K/ μ L)	525 \pm 107	588 \pm 84	632 \pm 145
PCT (%)	0.296 \pm 0.057	0.326 \pm 0.042	0.357 \pm 0.090
MPV (fL)	5.7 \pm 0.1	5.6 \pm 0.1	5.6 \pm 0.2
PDW (%)	29.7 \pm 0.7	30.1 \pm 0.4	29.6 \pm 0.8

*Values represent means \pm SD (n=3-5).

***Abbreviations:* WBC: White blood cells; RBC: Red blood cells; MCV: Mean corpuscular volume; MCH: Mean corpuscular hemoglobin; MCHC: Mean corpuscular hemoglobin concentration; RDW: Red cell distribution width; PCT: Plateletcrit; MPV: Mean platelet volume; PDW: Platelet distribution width.

Table S4. Serum chemistry values* of C57BL/6J mice treated with vehicle or F5446.

Test**	Vehicle	F5446	
		10 mg/kg	20 mg/kg
ALT (U/L)	75 ± 57	65 ± 47	101 ± 47
AST (U/L)	137 ± 56	122 ± 51	174 ± 90
ALP (U/L)	76 ± 10	88 ± 13	77 ± 33
GGT (U/L)	1 ± 1	2 ± 1	2 ± 1
Total bilirubin (mg/dL)	0.4 ± 0.1	0.3 ± 0.1	0.5 ± 0.4
BUN (mg/dL)	16 ± 1	15 ± 2	13 ± 2
Creatinine (mg/dL)	0.24 ± 0.08	0.28 ± 0.03	0.21 ± 0.7
Calcium (mg/dL)	10.8 ± 0.3	10.7 ± 0.3	11.0 ± 0.1
Phosphorous (mg/dL)	8.2 ± 0.5	8.4 ± 0.4	8.3 ± 0.8
Albumin (g/dL)	3.3 ± 0.2	3.3 ± 0.1	3.2 ± 0.2
Total protein (g/dL)	5.4 ± 0.3	5.4 ± 0.2	5.6 ± 0.5
Globulin (g/dL)	2.1 ± 0.2	2.0 ± 0.2	2.4 ± 0.4
Cholesterol (mg/dL)	82 ± 10	74 ± 9	85 ± 10
Glucose (mg/dL)	253 ± 52	243 ± 65	220 ± 37
Lipase (U/L)	196 ± 123	55 ± 6.2	98 ± 87
Amylase (U/L)	1434 ± 723	648 ± 68	713 ± 338
Creatine kinase (U/L)	314 ± 137	247 ± 144	306 ± 191
Triglyceride (mg/dL)	111 ± 21	91 ± 10	124 ± 60

*Values represent means ± SD (n=5).

*Abbreviations: ALT: Alanine aminotransferase; AST: Aspartate aminotransferase; ALP: Alkaline phosphatase; GGT: gamma-glutamyl transferase; BUN: Blood urea nitrogen.