

AST in mice serum

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
16.5211125	83.80887684	74.33873727	36.28452167
18.48119249	79.77863489	83.80887684	38.29704892
18.48119249	81.37615637	78.20042767	36.28452167

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
19.5070601	96.63989046	41.43637114	82.18219195
19.8558906	95.74937519	44.16472048	94.86393174
23.15254081	99.34199518	27.15540938	99.34199518

ALT in mice  
serum

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
14.0839214	153.9098816	137.7910621	17.9114402
14.34330365	172.7655136	168.5905968	18.20199428
13.57117037	168.5905968	156.5068008	19.088405

  

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
8.397724231	151.344605	15.40153899	143.8363635
10.65113421	153.9098816	17.05412956	155.2043717
10.88490117	153.9098816	16.4942653	142.6120489

IL-18 in cell supernatant

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
131.0606061	426.5151515	346.2121212	287.1212121
149.2424242	458.3333333	371.969697	305.3030303
159.8484848	458.3333333	371.969697	305.3030303
Control	ConA	ConA+Rb1	ConA+Rb1+CsA
252.2727273	512.8787879	308.3333333	470.4545455
256.8181818	531.0606061	291.6666667	487.1212121
235.6060606	571.969697	338.6363636	423.4848485

IL-18 in mice serum

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
20.45977011	151.4367816	125	47.4137931
23.85057471	138.7931034	114.0804598	59.48275862
27.29885057	128.4482759	91.09195402	62.93103448
Control	ConA	ConA+Rb1	ConA+Rb1+CsA
14.65517241	147.4137931	37.64367816	99.71264368
11.7816092	119.2528736	46.26436782	101.4367816
6.609195402	139.9425287	52.5862069	107.183908

IL-1 $\beta$  in cell supernatant

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
104.1666667	166.1458333	155.7291667	122.9166667
95.3125	159.375	151.5625	123.9583333
93.22916667	169.7916667	156.7708333	116.6666667
Control	ConA	ConA+Rb1	ConA+Rb1+CsA
252.2727273	512.8787879	308.3333333	470.4545455
256.8181818	531.0606061	291.6666667	487.1212121
235.6060606	571.969697	338.6363636	423.4848485

IL-1 $\beta$  in mice serum

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
12.8125	144.9553571	55.22321429	43.61607143
19.50892857	147.6339286	43.61607143	36.47321429
21.29464286	124.8660714	42.27678571	34.6875
Control	ConA	ConA+Rb1	ConA+Rb1+CsA
17.27678571	137.3660714	33.34821429	75.3125
22.63392857	128.8839286	34.6875	63.25892857
13.70535714	144.5089286	26.20535714	84.6875

## Westernblot of mice liver

## NLRP3

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
0.275971349	0.585928693	0.510769059	0.415328301
0.309809656	0.655121812	0.562332242	0.449382341
0.314218649	0.658989983	0.565652	0.451821547

## Cleaved-caspase-1

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
0.048588571	0.079229692	0.065259319	0.042441296
0.055212111	0.085626563	0.069947343	0.044730485
0.043608036	0.071723664	0.056678356	0.035264121

## GSDMD-N

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
0.039361421	0.083819576	0.064719781	0.043066604
0.044502686	0.091742527	0.069310992	0.046882477
0.046005385	0.099643192	0.075089797	0.05218456

Mature IL-1 $\beta$ 

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
0.187751758	0.469818882	0.401456753	0.203611448
0.161615427	0.410809381	0.340007479	0.177391763
0.20747604	0.514475016	0.419276648	0.218764315

## Mature IL-18

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
0.05457525	0.095408877	0.063479463	0.042863084
0.063321454	0.109712014	0.070628932	0.048389731
0.072874131	0.126358918	0.082677046	0.056339043

## p62

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
0.246472818	0.359427017	0.299286046	0.245038041
0.244364019	0.363918767	0.297009885	0.243686408
0.259048008	0.3832284	0.315178713	0.256955616

## LC3

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
0.373507118	0.537836428	0.73919244	0.795456374
0.402477495	0.587718863	0.802962735	0.86783141
0.384922877	0.56479753	0.769440319	0.826080754

## PINK1

Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
0.395540728	0.617571037	0.609599971	0.824098975
0.450135753	0.707547931	0.699430679	0.938808359
0.435672286	0.68583844	0.677615902	0.914028399

Parkin				
	Control	ConA	ConA+Rb1(25 mg/kg)	ConA+Rb1(50 mg/kg)
	0.223990679	0.272749918	0.325045553	0.36965591
	0.227720349	0.278272932	0.331392586	0.37913198
	0.228453461	0.279503897	0.334383592	0.37974964
CsA added in mice				
NLRP3				
	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.86280406	1.55722771	1.142470768	1.301777093
	0.898722255	1.614650133	1.179941353	1.3253101
	0.855738862	1.565830287	1.121121965	1.288825993
Cleaved-caspase-1				
	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.932826633	1.629996997	1.096305428	1.428974983
	0.939021646	1.634189548	1.09970044	1.389364704
	1.06574659	1.779111655	1.190353836	1.561894831
GSDMD-N				
	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.899456994	1.900802523	1.231551421	1.582183688
	0.923018579	2.035890168	1.326219777	1.667470631
	0.926466635	2.044864174	1.312828141	1.663190824
Mature IL-1 $\beta$				
	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.812544396	1.64413708	0.901752027	1.292034775
	0.731156805	1.468228521	0.817956196	1.142572357
	0.681708219	1.401891464	0.776259268	1.078769221
Mature IL-18				
	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.509913024	0.831820609	0.353565692	0.51226593
	0.378297507	0.67340124	0.280550747	0.430891908
	0.386507963	0.657417919	0.277667292	0.423812834
p62				
	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.296207691	0.399022158	0.186248605	0.325207108
	0.260686899	0.34953763	0.158090714	0.277409432
	0.253436957	0.351040014	0.154054857	0.279317496
LC3				
	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.301630134	0.4856502	0.676660838	0.438891211
	0.312426347	0.498459657	0.704202602	0.435504524

	0.293901562	0.46692653	0.655634265	0.416866959
PINK1	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.192313906	0.319593518	0.434759541	0.227954967
	0.195170546	0.311189241	0.450204796	0.223584978
	0.175793177	0.29653066	0.390645524	0.203581993
Parkin	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.247156264	0.34317989	0.535260557	0.340154755
	0.22457151	0.311496241	0.481880302	0.299353324
	0.229393838	0.320106758	0.487461166	0.309503945

Westernblot of HepG2 cell

NLRP3

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.289044496	0.758134108	0.625369371	0.394261875
0.29293883	0.758899218	0.630670496	0.395314249
0.288708729	0.746489748	0.619967273	0.391182606

Cleaved-caspase-1

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.144474896	0.241506046	0.167435354	0.092165985
0.179368929	0.270363655	0.186489705	0.100759481
0.174808799	0.276757048	0.194624036	0.104971664

GSDMD-N

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.184884705	0.273647693	0.223253079	0.192243571
0.182726607	0.299448352	0.244644676	0.18274804
0.156499405	0.256455405	0.211278774	0.156465525

Mature IL-1 $\beta$

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.093641934	0.245586637	0.145408216	0.090391446
0.111721743	0.293233135	0.177137749	0.107991871
0.102460863	0.257674692	0.153590064	0.094498927

Mature IL-18

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.210833537	0.431340901	0.227164329	0.117785396
0.210911618	0.437093141	0.224233667	0.114831506
0.257007512	0.525227686	0.270555843	0.147853746

p62

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.123342846	0.215495287	0.127376396	0.111067417
0.132537469	0.239177905	0.145660449	0.126267328
0.117032044	0.203235892	0.116539167	0.102141223

LC3

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.395717057	0.518438895	0.644946497	0.747072878
0.425559512	0.564869069	0.70584377	0.803968245
0.475982311	0.616853202	0.772989593	0.875443274

PINK1

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.195776103	0.232769969	0.422014372	0.479309808
0.209059477	0.253475664	0.458696744	0.511664722
0.213095545	0.259317544	0.464696624	0.522760861



Parkin

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
0.598891482	0.808020506	1.115898618	1.416022378
0.55725188	0.78361455	1.077500426	1.357271645
0.507703582	0.716278378	0.987424913	1.247365436

CsA added in HepG2 cells

NLRP3

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.103378706	0.18719783	0.089201443	0.147696987
0.08692038	0.159181469	0.073358475	0.12445902
0.090273075	0.166912429	0.077309327	0.129772562

Cleaved-caspase-1

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.425118654	0.693663333	0.369919969	0.457452333
0.354050388	0.569220715	0.307152451	0.394638843
0.379437747	0.609706281	0.325361671	0.41559838

GSDMD-N

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.103378706	0.18719783	0.089201443	0.147696987
0.08692038	0.159181469	0.073358475	0.12445902
0.090273075	0.166912429	0.077309327	0.129772562

Mature IL-1 $\beta$

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.111389233	0.207269029	0.129794018	0.189731035
0.085142221	0.159118115	0.097494446	0.146377808
0.070173906	0.128038817	0.078436547	0.118133929

Mature IL-18

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.064068545	0.183149686	0.114510892	0.155521124
0.062338669	0.179364661	0.10982332	0.148530547
0.055872633	0.164122695	0.100217502	0.134176294

p62

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.16481415	0.217098422	0.140019499	0.194652579
0.177971958	0.227500852	0.152614801	0.20884274
0.16721002	0.204212053	0.134296431	0.187797246

LC3

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.515242603	0.697513461	0.835124504	0.675263769
0.524720866	0.697275788	0.846936282	0.678746293

	0.522267839	0.697532055	0.853430675	0.680443755
PINK1	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	1.132629714	2.121790724	2.907243876	2.035401179
	1.189651332	2.173750079	3.039419476	2.122725526
	0.960606394	1.764115697	2.48006515	1.688203971
Parkin	Control	ConA	ConA+Rb1	ConA+Rb1+CsA
	0.454631104	0.595561898	0.968509761	0.651148431
	0.485753448	0.628919267	1.028423846	0.690819352
	0.49865368	0.645635638	1.059752936	0.713750306

ROS in HepG2 cells

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
14.773	56.169	42.511	34.35
16.803	56.48	42.89	35.921
14.538	58.287	43.572	37.226

CsA added in HepG2 cells

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
12.892	46.659	27.261	39.729
14.666	49.298	28.219	40.354
12.565	44.266	29.175	43.795

mitochondria ROS in HepG2 cells

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
62.259	92.238	80.73	76.181
63.56	94.062	81.859	77.811
64.25	94.705	82.614	79.17

CsA added in HepG2 cells

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
19.445	44.753	29.41	45.528
19.587	45.644	29.867	46.009
19.153	48.254	30.897	47.334

LDH in HepG2 cells

Control	ConA	ConA+Rb1(6.25 $\mu$ M)	ConA+Rb1(12.5 $\mu$ M)
2.936857562	17.71904063	14.14586393	8.027410671
3.915810083	18.45325502	14.53744493	9.300048948
2.398433676	18.94273128	13.99902105	9.006363191

CsA added in HepG2 cells

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
5.117679256	25.06841817	8.894362343	20.88122605
1.833607006	23.91899288	12.67104543	19.89600438
5.856595512	23.59058566	12.2605364	22.52326218

MMP(CsA added) in HepG2  
cells

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
1.696968987	0.845409244	1.345583684	1.0082369
1.694310265	0.852437772	1.32653159	0.980346908
1.699162097	0.861758562	1.359349109	0.9732291

Co-location of PINK1 and LC3 in  
HepG2 cells

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.0395	0.1949	0.4833	0.2571
0.0336	0.1733	0.4863	0.2517
0.0335	0.2044	0.4961	0.28

Co-location of mitochondria and autophagosomes in mice

Control	ConA	ConA+Rb1	ConA+Rb1+CsA
0.478	0.5857	0.8822	0.5116
0.4564	0.5783	0.8774	0.5001
0.5112	0.6165	0.8969	0.5126