

Supplementary Table 1

Antibodies used for the immune monitoring				
Target	Color	Clone	Company	Order No.
CD3	BV510	OKT3	Biologend	# 317332
CD4	Pacific Blue	OKT4	Biologend	# 317429
IFN γ	PE/Cy7	B27	Biologend	# 506518
TNF α	PE	MAb11	Biologend	# 502909
IL-2	APC	MQ1-17H12	Biologend	# 500310
IL-13	APC	JES10-5A2	Biologend	# 501907
IL-4	PE/Cy7	MP4 -25D2	Biologend	# 500824
IL-5	PE	JES1-39D10	Biologend	# 500904
CD3	PerCP/Cy5.5	OKT3	Biologend	# 317336
CD4	FITC	SK3	Biologend	# 344604
CD8	Pacific Orange	3B5	Thermo Fisher Scientific	# MHCD0830
CD25	BV421	M-A251	Biologend	# 356114
FoxP3	APC	236A/E7	Thermo Fisher Scientific	# 17-4777-42
IFN γ	PE/Cy7	B27	Biologend	# 506518
TNF α	APC	MAb11	Biologend	# 502912
pSTAT3	PE		BD	# 612569
Fixable Viability Dye	eFluor 780		Thermo Fisher Scientific	# 65-0865-18
Isotype control antibodies				
Isotype	Color	Clone	Company	Order No.
Mouse IgG2, kappa	BV510	MOPC-173	Biologend	# 400268
Mouse IgG2b, kappa	Pacific Blue	MPC-11	Biologend	# 400331
Mouse IgG1, kappa	PE/Cy7	MOPC-21	Biologend	# 400126
Mouse IgG, kappa	PE	MOPC-21	Biologend	# 400140
Rat IgG2a, kappa	APC	RTK2758	Biologend	# 400512
Rat IgG1, kappa	APC	RTK2071	Biologend	# 400412
Rat IgG1, kappa	PE/Cy7	RTK2071	Biologend	# 400416
Rat IgG2a, kappa	PE	RTK2758	Biologend	# 400508
Mouse IgG2a, kappa	PerCP/Cy5.5	MOPC - 173	Biologend	# 400252
Mouse IgG1, kappa	FITC	MOPC-21	Biologend	# 400108
Mouse IgG2a	Pacific Orange		Thermo Fisher Scientific	# MG2A30
Mouse IgG1, kappa	BV421	MOPC-21	Biologend	# 400158
Mouse IgG1, kappa	APC	P3.6.2.8.1	Thermo Fisher Scientific	# 17-4714-82
Mouse IgG1, kappa	PE/Cy7	MOPC-21	Biologend	# 400126
Mouse IgG1, kappa	PE	MOPC-21	Biologend	# 400140
Mouse IgG1, kappa	APC	MOPC-21	Biologend	# 400142
Mouse IgG2a, κ	PE	MOPC-173	BD	# 550071

Supplementary Table 2: PK Modeling Summary of WP1066 in Human Plasma

Enrollment number	Dose of WP1066 mg/kg	T _{1/2} hr		Tmax hr		Cmax ng/mL		AUCall hr*ng/mL	
		C1D1	C1D8	C1D1	C1D8	C1D1	C1D8	C1D1	C1D8
1	1	1.3	1.2	0.5	2.0	32.6	11.7	53.0	40.0
2	2	2.8	1.1	0.5	2.0	31.0	31.8	80.0	64.0
3	4	23.0	6.2	8.0	0.5	45.5	116.0	324.0	294.0
4	4	7.1	5.0	0.5	0.5	23.3	23.6	93.5	64.2
5	4	NA	NA	0.5	2.0	60.1	60.1	188.0	156.0
6	8	2.3	2.4	24	24	64.7	39.9	1011.0	849.0
7	8	3.7	1.5	1.0	8.0	43.3	117.0	529.0	914.0