

Supplementary Figure S1. Study schedule for the outcome measurements

Study phase	Baseline Screening	Treatment		End	Discontinuation
	Weeks -2 to 0	Week 0	Week 12	Week 24	Weeks 0-24
Inclusion/exclusion	•				
Demographics	•				
Enrollment	•				
Research drug administration		←————→			
Concomitant medications/ combination therapy	←————→				
Adverse events		←————→			
Vital signs	•		•	•	•
DAS28 joint assessment	•		•	•	•
VAS assessments :					
• Patient pain	•	-	•	•	•
• Patient global					
VAS assessment: Physician global	•		•	•	•
DAS28-ESR, DAS28-CRP	•		•	•	•
HAQ-DI	•		•	•	•
Laboratory	Blood chemistry	•	•	•	•
	Hematology	•	•	•	•
	CRP • RF • ACPA • MMP-3	•	•	•	•
	Cytokines	•	•	•	•
Musculoskeletal ultrasound	•		•	•	•
X-ray	•			•	

ACPA, anti-cyclic citrullinated peptide antibody; CRP, C-reactive protein; DAS28, Disease Activity Score 28; ESR, erythrocyte sedimentation rate; HAQ-DI, Health Assessment Questionnaire Disability Index; MMP-3, matrix metalloproteinase-3; RF, rheumatoid factor; VAS: Visual Analog Scale.

Supplementary Table S1. Cytokine/chemokine levels at the baseline

	Median	1st quartile	3rd quartile
EGF	43.64	28.2775	110.1975
Eotaxin	136.175	83.415	192.745
FGF-2	49.27	35.2775	70.645
FLT-3L	19.95	14.0325	21.3675
Fractalkine	76.55	63.2125	137.5125
G-CSF	48.555	38.1825	67.765
GM-CSF	2.87	2.87	2.87
GROa	21.045	16.6425	27.115
IFNa2	42.56	27.13	62.87
IFNg	4.94	1.2375	6.0675
IL-10	2.105	0.75	4.8075
IL-12p40	51.555	31.36	73.06
IL-12p70	2.175	0.66	4.9475
IL-13	57.29	35.68	77.1475
IL-15	6.38	5.42	8.185
IL-17A	2.21	0.47	12.31
IL-17F	18.88	9.4225	25.32
IL-18	71.81	37.5	114.7125
IL-1RA	2.97	2.21	4.4775
IL-1a	62.48	30.7925	73.005
IL-1b	9.325	6.81	15.1425
IL-2	0.69	0.235	1.29
IL-22	7.14	7.14	43.155
IL-27	614.545	403.675	1388.943
IL-4	2.65	2.0975	3.0525
IL-5	6.365	3.7275	10.8975
IL-6	0.7	0.25	1.8575
IL-7	13.095	8.625	19.1275
IL-8	7.09	5.2175	9.0125
IP-10	184.955	130.7575	295.5125
MCP-1	542.445	382.0825	733.13
MCP-3	20.265	13.3875	36.1175
MDC	612.025	547.7975	750.69
MIP-1a	34.18	27.06	37.8825
MIP-1b	41.705	33.4575	54.6575
PDGF-AA	5793.805	4648.4	7587.725
TGFa	5.36	4.04	6.545
TNFa	11.945	6.76	15.3525
TNFb	6.05	0.13	13.2075
VEGF-A	189.265	109.54	339.175
sCD40L	1420.985	498.1625	2429.565
ICAM-1	116098.4	98154.76	140393.6
VCAM-1	344591.4	284541.7	418296.8
IL_6_ELISA	0.666288	0.296283	3.111697
TNF_a_ELISA	51.47167	45.74185	60.88693

Unit: pg/mL