

Table S1. Comparison of demographic and clinical characteristics of male (M) and female (F) patients.

Parameters	Ankylosing spondylitis (M) (<i>n</i> = 12)	Ankylosing spondylitis (F) (<i>n</i> = 9)	P value
Demographics			
Age, years	44.7 ± 3.66	40.9 ± 4.49	0.536
Disease duration, years	8.83 ± 1.35	5.56 ± 1.13	0.09
Clinical data			
BASDAI, score	5.22 ± 0.62	6.11 ± 0.78	0.171
ASDAS _{CRP} , score	3.28 ± 0.29	3.63 ± 0.34	0.353
BASFI, score	4.49 ± 0.71	5.05 ± 1.14	0.847
BASMI, score	4.13 ± 0.59	3.78 ± 0.64	0.846
HAQ, score	1.02 ± 0.16	1.21 ± 0.37	0.785
Laboratory values			
CRP, mg/L	10.67 ± 3.64	17.13 ± 6.53	0.223
ESR, mm/h	14.58 ± 4.56	30.1 ± 6.8	0.03
Medications, % (n)			
NSAIDs	91.6 (11)	88.9 (8)	
Non-biologic DMARDs	16.6 (2)	33.3 (3)	
Glucocorticosteroids	8.3 (1)	22.2 (2)	

Explanations as in table 1.

Table S2. Comparison of cytokine production and generation of Treg cells in the co-cultures of target cells with ASCs of male (M) and female (F) patients.

Cytokine /cells	Sex (n)	Co-culture of CD4 ⁺ T cells with		Cytokine / cells	Sex (n)	Co-culture of PBMCs with	
		ASCs	ASC _{STI}			ASCs	ASC _{STI}
IFN	M (4)	2512 ± 108	2516 ± 209	IFN	M (7)	378 ± 211	226 ± 114
	F (4)	2414 ± 98	2479 ± 56		F (4)	716 ± 710	239 ± 235
	<i>P value</i>	0.625	0.886		<i>P value</i>	0.699	0.699
IL-17AF	M (5)	389 ± 154	376 ± 168	IL-17AF	M (10)	444 ± 85	418 ± 85
	F (6)	1002 ± 329	1043 ± 288		F (5)	608 ± 137	501 ± 101
	<i>P value</i>	0.143	0.143		<i>P value</i>	0.309	0.594
IL-10	M (6)	2122 ± 859	1809 ± 780	IL-10	M (14)	301 ± 40	355 ± 45
	F (6)	2364 ± 628	1890 ± 560		F (4)	367 ± 85	356 ± 82
	<i>P value</i>	0.818	0.937		<i>P value</i>	0.367	0.958
TGF	M (6)	112 ± 39	94.8 ± 30	TGF	M (7)	341 ± 102	313 ± 181
	F (6)	413 ± 211	514 ± 182		F (4)	696 ± 244	441 ± 53
	<i>P value</i>	0.798	0.328		<i>P value</i>	0.527	0.230
Treg cells	M (6)	19.7 ± 3.4	18.4 ± 4.0	Treg cells	M (14)	10.0 ± 0.94	8.7 ± 0.98
	F (10)	13.3 ± 1.5	13.2 ± 1.0		F (4)	9.3 ± 1.7	8.1 ± 1.8
	<i>P value</i>	0.073	0.492		<i>P value</i>	0.958	0.873

Explanations: Data are expressed as the mean ± SEM; n – number of patients; P value for comparison of male vs female patients' ASCs.