

Supporting Information

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SI Text

Antibodies. The following antibodies were used for flow cytometry and confocal microscopy: FITC-CTLA-4 (48815) from R&D Systems; PECy7-CD25 (BC96), PECy5-CD127 (eBioDR5), Alexa-Fluor-488-Foxp3 (PCH101), FITC-IL-2 (MQ1-17H12), Alexa-Fluor-488-IL-17A (64CAP17) from eBioscience; APC-, PE- or FITC-CD4 (RPA-T4), Biotin- or PE-CTLA-4 (BNI3.1), Biotin-CD80 (L307.4), Biotin-CD28 (CD28.2), FITC, APC-IFN- γ (K3) from BD Bioscience; and goat anti-rabbit Alexa Fluor-647 from Invitrogen. For T lymphocyte stimulation, CD3 (HIT3a), CD28 (CD28.2), CTLA-4 (BNI3) from BD Bioscience; CTLA-4 F(ab')₂ (ANC152.2/8H5)

from Ancell, and goat F(ab')₂ anti-mouse antibodies from Sigma were used. Dynabeads M-280 Tosylactivated (DynaL Biotech) were coated with anti-CD3, anti-CD28 antibodies (10 μ g/mL each) following the manufacturer's instructions. For protein phosphorylation analysis, Alexa-Fluor-488-phospho-Y142 CD3 ζ (K25-407.69), PE-phospho-T202/Y204-ERK 1/2 (20a), and PE-phospho-Y505 Lck (4/LCKY5054G10) from BD Biosciences and Alexa Fluor-488-Ser 473 Akt (193H12) from Cell Signaling were used. For Western blot analysis, HRP-anti-phosphotyrosine (4G10) from Upstate, anti- β -actin (Sigma), and rabbit phospho-Ser-473 Akt antibodies from Santa Cruz were used.

Table S1. Drug treatments at time of study

Patient	Arthritis form	DMARD	NSAID
1	RA	LEF	–
2	RA	Gold	+
3	RA	–	+
4	RA	–	–
5	RA	MTX	–
6	RA	MTX	–
7	RA	MTX	+
8	RA	LEF/Pred	–
9	RA	Pred	–
10	RA	–	+
11	PsA	–	+
12	PsA	MTX	+
13	PsA	–	+
14	PsA	AZA	–
15	PsA	LEF	–
16	PsA	MTX/SLZ	–
17	PsA	MTX	–
18	PsA	–	+
19	PsA	SLZ	+
20	PsA	–	–

DMARD, disease-modifying antirheumatic drugs; NSAID, nonsteroidal anti-inflammatory drug; MTX, methotrexate; LEF, leflunomide; Pred, prednisolone; SLZ, sulphasalazine; AZA, Azathioprine.