

Supplementary Table S1. Demographics of patients and healthy individuals.

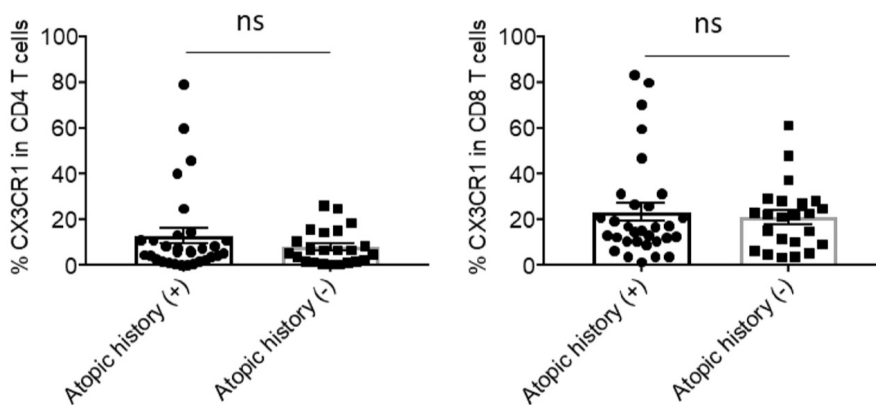
	Healthy (n=44)	IgG4-related disease (n=54)	Primary Sjögren's syndrome (n=57)
Age, years (mean ±SEM)	44.3 ± 2.1	61.6 ± 1.8	62.2 ± 1.9
Female, n (%)	33 (75%)	22 (41%)	52 (91%)

Supplementary Table S2. Characteristics of pSS patients.

Extraglandular organ involvements (n, %)	
Interstitial lung disease	7 (12)
Purpura	4 (7)
Arthralgia	3 (5)
Tubulointerstitial nephritis	2 (4)
Bronchiolitis	1 (2)
Pulmonary hypertension	1 (2)
Lymphadenopathy	1 (2)
Clinical parameters (mean, SEM)	
Serum IgG (mg/dL)	1719 (73)
Serum C-reactive protein (mg/dL)	0.14 (0.04)
Serum C ₃ (mg/dL)	96.9 (3.4)
Serum C ₄ (mg/dL)	24.7 (1.5)
White blood cell (/μL)	4904 (186)
Neutrophil (/μL)	3022 (151)
Lymphocyte (/μL)	1468 (81)
Haemoglobin (g/dL)	12.9 (0.9)
Platelet (×10 ³ /μL)	214 (7.2)
ESSDAI	3.3 (0.6)

Supplementary Table S3. Characteristics of IgG4-RD patients.

Organ involvements (n, %)	
Lacrimal glands and orbits	33 (61)
Salivary glands	24 (44)
Lymph nodes	21 (39)
Lungs	16 (30)
Pancreas	10 (19)
Kidneys	7 (13)
Aorta	15 (28)
Retroperitoneum	11 (20)
Skin	1 (2)
Clinical parameters (mean, SEM)	
Serum IgG (mg/dL)	1936 (89)
Serum IgG4 (mg/dL)	598 (65)
Serum IgE (IU/mL)	845 (144)
Serum C-reactive protein (mg/dL)	0.35 (0.13)
Serum soluble interleukin-2 receptor (U/mL)	663 (82)
Serum C ₃ (mg/dL)	94.9 (3.6)
Serum C ₄ (mg/dL)	20.9 (1.4)
Eosinophil (cells/μL)	280 (34)
Number of affected organs	3.0 (0.2)
IgG4-RD responder index	12.0 (0.7)
Past atopic history (n, %)	31 (57)



Supplementary Fig. S1. Comparison of CX3CR1+CD4 and CX3CR1+CD8 T cells with and without atopic history.

The proportion of CX3CR1+CD4 or CX3CR1+CD8 T cells were compared in patients with IgG4-RD with and without atopic history. Mann Whitney test.

ns: not significant.