



Supplemental Figure 1. The effector subset of CD4+CTLs is expanded in fibrosing mediastinitis while the memory subset contracts. Flow cytometry gating strategy to identify effector CD4+CTLs (CD4+CD45Ro+CD27-SLAMF7+CD28loCD57hi), memory CD4+CTLs (CD4+CD45Ro+CD27-SLAMF7+CD28hiCD57lo), intermediate CD4+CTLs (CD4+CD45Ro+CD27-SLAMF7+CD28loCD57o), and unspecified CD4+CTLs (CD4+CD45Ro+CD27-SLAMF7+CD28hiCD57hi). Quantified as % of total CD4+ T cells and expressed as means +/- SE (Control n=21, FM n= 47). *P<0.05 by two-tailed Mann-Whitney t-test.

Supplemental table 1. Demographics of patients on whom flow cytometry analyses were performed

	African American	Caucasian	p Value
n	9	38	
Age (mean (SD))	38.56 (13.88)	40.87 (11.36)	0.601
Vessel (%)			0.806
Left pulmonary artery	1 (11.1)	2 (5.3)	
Mixte	5 (55.6)	19 (50.0)	
Right pulmonary artery	2 (22.2)	8 (21.1)	
Superior veina cava	1 (11.1)	9 (23.7)	
Stented = Yes (%)	3 (33.3)	10 (26.3)	0.993
Gender = Male (%)	4 (44.4)	21 (55.3)	0.831
H. Capsulatum serology (%)			0.931
Negative	4 (44.4)	16 (42.1)	
Positive	4 (44.4)	19 (50.0)	
Unknown	1 (11.1)	3 (7.9)	

Supplemental table 2. Breakdown of the demographics of patients analyzed for T cell repertoire, tissue immunofluorescence and antigenic stimulation

	Age	Gender	<i>H. Capsulatum</i> serology
T cell repertoire analysis (Figure 2.)	37	M	-
	33	M	Not done
	28	F	+
	18	M	-
	25	M	-
Tissue Immunofluorescence (Figure 3)	41	F	-
	20	F	-
	42	F	+
	51	F	+
<i>H. Capsulatum</i> antigenic stimulation (Figure 4)	36	M	-
	45	F	-
	25	F	+
	22	M	+
	30	F	+

Supplemental Table 3. TCR Sequence distribution for a representative patient included in Figure 2.

Patient #1		
CD4+CTLs subsets	TCR β Sequence	% of total pool of TCR
CD57+CD28- (Effector)	CASSRDSNQPQHF	82.71
	CASSPPGDRIKKTQYF	4.32
	CASSPPAGGSGMDQPQHF	1.78
	CASSISYGYTF	1.76
	CASSRGLAGGYNEQFF	0.98
	Total :	91.54
CD57+CD28+ (Unspecified)	CASSPPGDRIKKTQYF	4.17
	CASSFPGQGHLQDQETQYF	2.08
	CASSISYGYTF	1.56
	CASSLAGGPETQYF	1.04
	CASSSVTEAFF	1.04
	Total :	9.90
CD57-CD28+ (Memory CD4+CTLs)	CASRYGAGGSIGEQFF	2.73
	CASSPPGDRIKKTQYF	1.82
	CASSPGRVSGANVLTF	1.82
	CASSHGTSFYNEQFF	0.91
	CASSQVGRGGLTEAFF	0.91
	Total :	8.18
CD57-CD28- (Intermediate)	CASSRDSNQPQHF	2.38
	CASSFPGQGHLQDQETQYF	1.59
	CASSLEASGELFF	1.59
	CASSAQYTEAFF	1.59
	CASSLAVNTEAFF	1.59