

Table SI. Proliferation response of peripheral blood mononuclear cells (PBMC) in co-culture experiments with PBMCs and rh-IL-6 and/or rh-chymase before and after adding α_1 -proteinase inhibitor (α_1 -PI)

Incubation mixture	Patient 1 ^b		Patient 2 ^b		Patient 3 ^b		Patient 4 ^a		Mean	
	No α_1 -PI	α_1 -PI	No α_1 -PI	α_1 -PI	No α_1 -PI	α_1 -PI	No α_1 -PI	α_1 -PI	No α_1 -PI	α_1 -PI
Diluent control + diluent control	100	95	100	41	100	50	100	31	100	54‡
Diluent control + rh-IL-6 10 ng/ml	ND	ND	98	36	128	45	107	31	111 ^{NS}	37‡
Diluent control + rh-IL-6 50 ng/ml	84	92	101	36	127	53	110	34	106 ^{NS}	54‡
Rh-chymase 10 ng/ml + diluent control	93	87	81	29	187	43	88	31	112 ^{NS}	48‡
Rh-chymase 100 ng/ml + diluent control	117	96	145	33	338	40	149	36	187*	51‡
Rh-chymase 1,000 ng/ml + diluent control	126	108	70	92	277	196	110	75	126 ^{NS}	118 ^{NS}
Rh-chymase 10 ng/ml + rh-IL-6 50 ng/ml	92	88	116	42	241	42	105	34	139 ^{NS}	52‡
Rh-chymase 100 ng/ml + rh-IL-6 50 ng/ml	113	93	154	32	362	46	175	35	201 ^{NS}	52‡
Rh-chymase 1,000 ng/ml + rh-IL-6 50 ng/ml	125	111	57	97	230	212	102	123	129 ^{NS}	136 ^{NS}

Results are expressed as relative PBMC proliferation response expressed in percentages.

p-values express differences between PBMC responses in incubation mixtures with rh-IL-6 or rh-chymase vs diluent control or rh-chymase and rh-IL-6 vs rh-chymase at the same concentration (*, NS), or in incubation mixtures without α_1 -PI vs the same incubation mixtures with α_1 -PI (‡, NS). *p*-values were determined using the Mixed model analysis.

*, ‡: *p* < 0.001.

^apatients with atopic dermatitis.

^bpatients with mucosal atopic symptoms.

ND: not done; NS: not significant.