Supplementary Table 1. Correlation of DPP-IV, sCD26, IgA, IgG and IgM in women from the complete cohort.

		DPP4	sCD26	IgA	IgG	IgM
DPP4	R	1	0.246**	0.222	-0.103	0.031
	p-value		0.003	0.129	0.482	0.833
	N	146	144	48	49	49
sCD26	R		1	-0.022	-0.116	0.065
	p-value			0.884	0.428	0.657
	N		144	48	49	49
IgA	R			1	0.350*	0.238
	p-value				0.015	0.103
	N			48	48	48
IgG	R				1	0.692**
	p-value					<0.0001
	N				49	49
IgM	R					1
	p-value					
	N					49

R: Pearson correlation coefficient

Supplementary Table 2. Correlation of DPP-IV, sCD26, IgA, IgG and IgM in men from the complete cohort.

	DPP4	sCD26	IgA	IgG	IgM
DPP4　R	1	0.048	-0.067	0.023	0.028
p-value		0.524	0.567	0.846	0.812
N	182	181	75	75	75
sCD26　R		1	**-0.232***	-0.164	-0.058
p-value			**0.044**	0.158	0.621
N		189	**76**	76	76
IgA　R			1	**0.462****	**0.279***
p-value				**<0.0001**	**0.015**
N			76	**76**	**76**
IgG　R				1	**0.599****
p-value					**<0.0001**
N				76	76
IgM　R					1
p-value					
N					76

R: Pearson correlation coefficient

Supplementary Table 3. Correlation of DPP-IV, sCD26, IgA, IgG and IgM in age group ≤50 years from the complete cohort.

	DPP4	sCD26	IgA	IgG	IgM
DPP4 R	1	**0.200***	0.027	-0.039	-0.078
p-value		**0.026**	0.850	0.782	0.577
N	126	**124**	53	54	54
sCD26 R		1	-0.078	-0.212	0.051
p-value			0.574	0.120	0.712
N		126	54	55	55
IgA R			1	**0.422****	**0.355****
p-value				**0.001**	**0.008**
N			54	**54**	**54**
IgG R				1	**0.660****
p-value					**<0.0001**
N				55	**55**
IgM R					1
p-value					
N					55

R: Pearson correlation coefficient

Supplementary Table 4. Correlation of DPP-IV, sCD26, IgA, IgG and IgM in age group 51-60 years from the complete cohort.

		DPP4	sCD26	IgA	IgG	IgM
DPP4	R	1	0.254*	-0.194	-0.347*	-0.125
	p-value		0.014	0.230	0.028	0.441
	N	95	94	40	40	40
	sCD26 R		1	-0.114	-0.156	0.048
	p-value			0.484	0.335	0.770
	N		94	40	40	40
	IgA R			1	0.385*	0.311
	p-value				0.014	0.051
	N			40	40	40
	IgG R				1	0.746**
	p-value					<0.0001
	N				40	40
	IgM R					1
	p-value					
	N					40

R: Pearson correlation coefficient

Supplementary Table 5. Correlation of DPP-IV, sCD26, IgA, IgG and IgM in age group ≥61 years from the complete cohort.

		DPP4	sCD26	IgA	IgG	IgM
DPP4	R	1	0.100	0.148	**0.386***	0.205
	p-value		0.490	0.442	**0.038**	0.285
	N	50	50	29	**29**	29
sCD26	R		1	-0.294	0.098	-0.185
	p-value			0.121	0.612	0.337
	N		51	29	29	29
IgA	R			1	**0.574****	0.219
	p-value				**0.001**	0.254
	N			29	**29**	29
IgG	R				1	0.340
	p-value					0.071
	N				29	29
IgM	R					1
	p-value					
	N					29

R: Pearson correlation coefficient