A IBD (CD)

- PDPN+1
- PDPN+2
- Endothelial (BEC)
- LIN- cells
- Epithelial cells

tSNE2 / tSNE1

B

	Colon Pt1	Ileum Pt1	PBMC Pt2	PBMC Pt3	Colon Pt1	Ileum Pt1	PBMC Pt2	PBMC Pt3		BEC Colon Pt3	LIN- Colon Pt3	Epi- Colon Pt3	PDPN+1 Colon pt3	PDPN+2 Colon Pt3	
PDPN															PDPN
CD31															CD31
HLA-DR															HLA-DR
SMAa															SMAa
FAP															FAP
EPCAM															EPCAM
PDL1															PDL1

PDPN+1   PDPN+2

0   2.78   5.57

C

	PDPN	CD31	HLA-DR	SMAα	FAP	EPCAM
PBMC						
ILEUM						
COLON						

High — Low

tSNE2 / tSNE1

D

	PDPN	CD31	HLA-DR	SMAα	FAP	EPCAM
Healthy						
CD						
UC						

High — Low

tSNE2 / tSNE1

Supplementary Figure 2

Supplementary Figure 2. Assessment of non-hematopoietic cell markers in the blood, ileum, and colon of IBD patients. The non-hematopoietic cell population (CD45⁻CD3⁻CD19⁻ excluding dead cells and doublets) identified by spectral flow cytometry profiling were subjected to SPADE on viSNE analysis. (A) Overlaid viSNE plot on SPADE clustered populations as indicated of an IBD ileum sample. The CD45⁻CD3⁻CD19⁻PDPN⁻CD31⁻EpCam⁻ non-hematopoietic cell population is designated as Lin⁻. (B) Heatmap on the indicated samples and markers. Color scale is generated based on the transformed ratio by the row's minimum of mean of channel. (C) viSNE plots of the indicated markers of representative CD patient PBMC, ileum and colon samples. (D) viSNE plots of the indicated markers of representative PMBC samples from healthy control, CD, and UC patients. Pt1, patient 1; Pt2, patient 2; Pt3, patient 3.