

A primary human macrophage-enteroid co-culture model to investigate
mucosal gut physiology and host-pathogen interactions

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SUPPLEMENTARY INFORMATION

	DF		DF + M ϕ		M ϕ
	Apical	Basolateral	Apical	Basolateral	
TNF-α	0.0 \pm 0.0	0.1 \pm 0.0	0.0 \pm 0.0	0.3 \pm 0.0	0.5 \pm 0.1
IL-1β	0.1 \pm 0.0	0.1 \pm 0.1	0.1 \pm 0.0	1.3 \pm 0.3	3.0 \pm 0.5
IL-2	0.1 \pm 0.0	0.4 \pm 0.1	0.1 \pm 0.0	10.6 \pm 4.0	15.0 \pm 1.8
IL-4	0.0 \pm 0.0	0.0 \pm 0.0	0.0 \pm 0.0	61.4 \pm 30.2	48.1 \pm 19.7
IL-10	0.0 \pm 0.0	0.0 \pm 0.0	0.0 \pm 0.0	0.8 \pm 0.3	1.7 \pm 0.3
IL-12p70	0.0 \pm 0.0	0.0 \pm 0.0	0.0 \pm 0.0	0.1 \pm 0.0	0.2 \pm 0.1
IL-13	0.1 \pm 0.1	0.0 \pm 0.0	0.2 \pm 0.1	6.8 \pm 2.3	15.6 \pm 4.4

Supplementary Table S1: Human macrophage-enteroids discretely secrete additional cytokines *ex vivo*.

Total amount of IL-1 β , IL-2, IL-4, IL-10, IL-12p70, IL-13, and TNF- α released in the apical and basolateral media of DF enteroid monolayer in absence or presence of macrophages (M ϕ), and by M ϕ alone following 24h of culture. Values are presented as Mean \pm SEM of 3 independent experiments involving 3 different small intestinal enteroid lines.