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Supporting Information

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Tissue-resident MAIT cell populations in human oral mucosa exhibit an activated profile and produce IL-17

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Supporting Information Tables

Supporting Information Table 1. Healthy donor demographics.

	Men	**Women**	**Combined**
Number	30 (45.5%)	36 (54.5%)	66 (100%)
Median age (± SD)	29 (± 7.8)	30 (± 8.4)	29 (± 8.1)
Median BMI (± SD)	24.09 (± 3.18)	21.74 (± 2.87)	22.67 (± 3.14)

Supporting Information Table 2. Statistical significance obtained using Wilcoxon matched-pairs statistical test for data presented in Figure 5E. *p*-values lower than 0.05 are highlighted.

TNF	**IFNγ**	**IL-2**	**IL-17**	**GrzB**	**CD103-/blood**	**CD103+/blood**	**CD103-/+**
+	+	+	+	+	0.262	0.262	0.936
+	+	+	+	-	0.423	0.936	0.522
+	+	+	-	+	**0.025**	0.055	0.936
+	+	+	-	-	**0.037**	**0.025**	0.055
+	+	-	+	+	**0.016**	**0.016**	1.000
+	+	-	+	-	0.055	0.055	0.936
+	+	-	-	+	**0.037**	**0.025**	1.000
+	+	-	-	-	**0.006**	**0.004**	**0.037**
+	-	+	+	+	0.262	0.749	0.522
+	-	+	+	-	0.522	0.337	0.423
+	-	+	-	+	0.055	0.337	0.631
+	-	+	-	-	0.423	0.873	0.423
+	-	-	+	+	0.128	0.128	0.936
+	-	-	+	-	**0.004**	**0.045**	0.109
+	-	-	-	+	0.522	0.522	0.689
+	-	-	-	-	0.631	0.150	0.078
-	+	+	+	+	1.000	0.631	0.631
-	+	+	+	-	0.749	0.749	0.522
-	+	+	-	+	0.150	0.471	0.631
-	+	+	-	-	**0.004**	0.423	0.150
-	+	-	+	+	0.631	0.631	1.000
-	+	-	+	-	0.150	0.471	0.150
-	+	-	-	+	0.631	0.150	0.522
-	+	-	-	-	0.873	0.109	0.200

-	-	+	+	+	0.936	0.936	0.936
-	-	+	+	-	0.200	0.200	0.873
-	-	+	-	+	0.150	0.471	0.631
-	-	+	-	-	0.262	0.522	0.078
-	-	-	+	+	0.631	0.936	0.631
-	-	-	+	-	0.200	**0.016**	0.078
-	-	-	-	+	0.337	0.749	0.749

Supporting Information Table 3. Antibodies used for *in situ* microscopic analysis

Target	Clone	Conjugate	Supplier
Vα7.2	3C10	Unconjugated	BioLegend
IL-18 Rα	AF840	Unconjugated	R&D Systems
MR1	8F2.F9	Unconjugated	Obtained from Dr Ted Hansen
HLA-DR	L243	Biotinylated	BD Biosciences
CD3	SP7	Unconjugated	Abcam
Donkey anti-mouse	Polyclonal	Alexa fluor 594	Life Technologies
Rabbit anti-goat	Polyclonal	Biotin	Beckman Coulter
Streptavidin	N/A	Alexa fluor 488	Life Technologies

Supporting Information Table 4. Monoclonal antibodies used for flow cytometry.

Target	Clone	Conjugate	Supplier
CD3	OKT3	Brilliant violet 650	BioLegend
CD3	OKT3	Brilliant violet 785	BioLegend
CD4	RPA-T4	FITC	BioLegend
CD4	OKT4	Brilliant violet 711	BioLegend
CD8α	RPA-T8	Brilliant violet 570	BioLegend
CD8β	SIDI8BEE	PE-Cy7	eBioscience
CD38	HIT2	Brilliant violet 711	BioLegend
CD45	HI30	Alexa fluor 700	BioLegend
CD69	TP1.55.3	ECD	Beckman Coulter
CD103	Ber-ACT8	Brilliant ultraviolet 395	BD Horizon
CD161	HP-3G10	Brilliant violet 605	BioLegend

CD161	DX12	PE-Cy5	BD Pharmingen
CD279 (PD-1)	EH12.2H7	Brilliant violet 785	BioLegend
Granulysin	DH2	PE	BioLegend
Granzyme B	GB11	FITC	BioLegend
HLA-DR	L243	Brilliant violet 650	BioLegend
IFNγ	4S.B3	Brilliant violet 785	BioLegend
IL-17A	BL168	Brilliant violet 421	BioLegend
Perforin	B-D48	Brilliant violet 421	BioLegend
PLZF	6318100	APC	R&D Systems
Vα7.2	3C10	Brilliant violet 510	BioLegend
Vα7.2	3C10	PE	BioLegend
TNF	MAb11	PE-Cy7	BD Pharmingen

Supporting Information Table S5. Primer sequences and annealing temperatures.

Primer	Sequence	Annealing temperature (°C)
Vα7.2-Jα33	Fow: 5TCCTTAGTCGGTCTAAAGGGTACAG Rev: CCAGCGCCCCAGATTAA	58
Vα7.2-Jα20	Fow: AGTCGGTCTAAAGGGTACAGTT Rev: CAGTTACTGTGGTTCCGGCT	60
Vα7.2-Jα12	Fow: AGTCGGTCTAAAGGGTACAGTT Rev: GGTCCCACTCCCGAAGAT	58
Cα	Fow: ACGCCTTCAACAACAGCATTA Rev: TCAGGAGGAGGATTCGGAAC	58
GAPDH	Fow: TCCACTGGCGTCTTCACC Rev: GGCAGAGATGATGACCCTTTT	60