SUPPLEMENTAL MATERIAL

Human tissue-resident mucosal-associated invariant T (MAIT) cells in renal fibrosis and chronic kidney disease (CKD)

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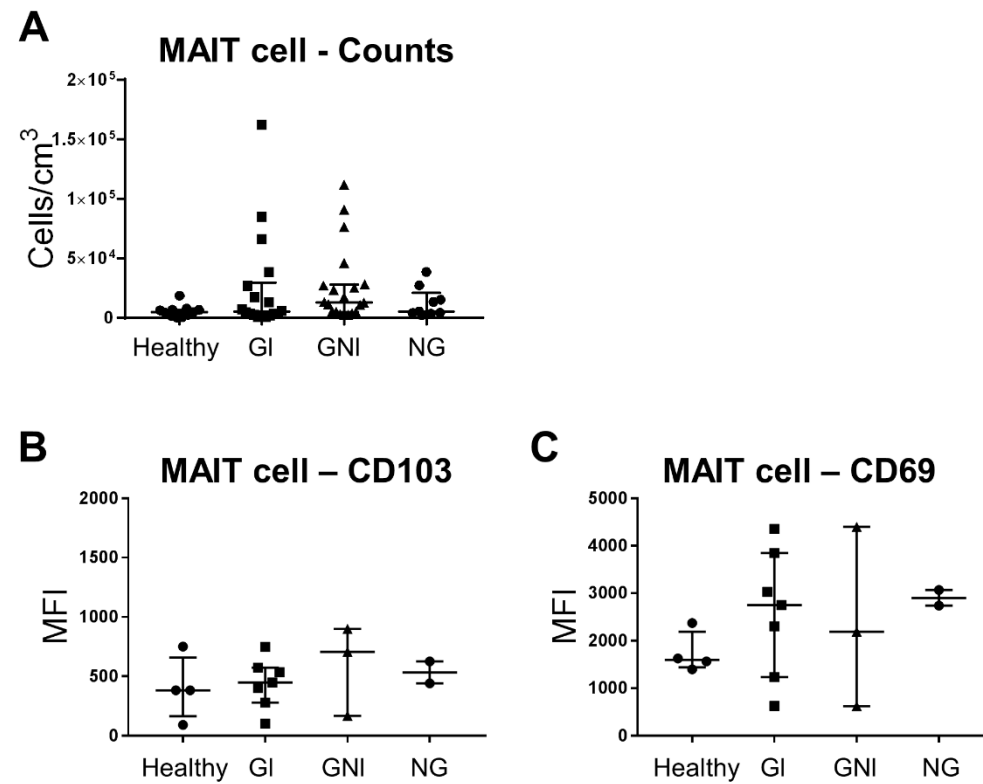**Supplementary Table 1.** Clinical and histological features of patients at the time of kidney biopsy.

Patient	Age (Years)/ Sex (M/F)	Primary Disease	eGFR (ml/min/1.73m^2)	Tubulointerstitial Fibrosis (%)
Glomerular immune-mediated disease (n=18)				
1	52/M	Crescentic GN	48	10
2	70/M	Membranous nephropathy	87	0
3	34/M	Minimal change disease	90	0
4	22/F	Lupus nephritis	90	3
5	28/F	Pauci-immune GN	12	70
6	34/M	IgA nephropathy	37	15
7	79/M	Pauci-immune GN	24	30
8	77/M	IgA nephropathy	14	5
9	28/M	IgA nephropathy	90	3
10	23/F	Membranoproliferative GN	90	0
11	82/M	Membranous nephropathy	68	3
12	27/M	IgA nephropathy	26	30
13	30/M	IgA nephropathy	65	0
14	30/M	Minimal change disease	90	0
15	43/M	IgA nephropathy	59	0
16	59/M	Membranous nephropathy	74	5
17	39/M	IgA nephropathy	90	0
18	51/F	Membranous nephropathy	39	5
Glomerular non-immune-mediated disease (n=20)				
1	60/F	Diabetic nephropathy	63	10
2	53/M	Focal segmental glomerulosclerosis	27	30
3	38/F	Focal segmental glomerulosclerosis	68	20
4	54/F	Fibrillary GN	46	10
5	55/M	Diabetic nephropathy	20	20
6	29/F	Focal segmental glomerulosclerosis	35	40
7	58/M	Diabetic nephropathy	37	25

8	66/F	Focal segmental glomerulosclerosis	90	5
9	70/F	Focal segmental glomerulosclerosis	28	30
10	33/M	Diabetic nephropathy	36	5
11	75/M	Renal amyloidosis	24	5
12	36/M	Focal segmental glomerulosclerosis	44	0
13	53/M	Diabetic nephropathy	26	50
14	37/F	Focal segmental glomerulosclerosis	90	3
15	59/M	Focal segmental glomerulosclerosis	16	5
16	63/M	Diabetic nephropathy	89	10
17	53/F	Diabetic nephropathy	10	50
18	45/F	Renal amyloidosis	90	3
19	24/M	Focal segmental glomerulosclerosis	73	5
20	40/F	Focal segmental glomerulosclerosis	66	0

Non-glomerular disease (n=9)

1	66/F	Hypertensive nephropathy	30	25
2	57/F	Arterionephrosclerosis	24	10
3	61/M	Interstitial nephritis	43	0
4	58/M	Interstitial nephritis	10	0
5	59/M	Hypertensive nephropathy	49	10
6	58/M	Interstitial nephritis	19	0
7	80/F	Arterionephrosclerosis	5	20
8	34/M	Interstitial nephritis	22	5
9	53/F	Interstitial nephritis	38	20

Supplementary Table 2. Antibodies used for flow cytometric staining.

Antigen	Clone	Fluorochrome	Source
CD45	HI30	Brilliant Violet 510	Biolegend
CD3	OKT3	Brilliant Violet 650	Biolegend
TCR Vα7.2	3C10	Brilliant Violet 605	Biolegend
CD161	HP-3G10	Brilliant Violet 785	Biolegend
CD8	RPA-T8	PerCP-Cy5.5	Biolegend
IL-18Rα (CD218a)	H44	PE	Biolegend
IL-7Rα (CD127)	A019D5	APC	Biolegend
CCR5 (CD195)	J418F1	PE-Dazzle 594	Biolegend
CXCR3 (CD183)	G025H7	Brilliant Violet 711	Biolegend
CD103	Ber-ACT8	Brilliant Violet 421	Biolegend
CD69	FN50	FITC	Biolegend

A MAIT cell - Counts

B MAIT cell – CD103

C MAIT cell – CD69

Supplementary Figure 1. MAIT cell numbers and phenotype do not significantly correlate with primary diagnoses of patients. Absolute numbers of MAIT cells **(A)**, and MAIT cell expression of CD103 **(B)** and CD69 **(C)** in healthy kidney tissue and diseased biopsies with glomerular immune-mediated (GI), glomerular non-immune-mediated (GNI) and non-glomerular (NG) primary diagnoses. Values for individual donors are presented; horizontal bars represent medians, with interquartile range also presented.