

NULISaseq™ Immune 340 Panel

Profile ~340 biomarkers across the immune landscape from just 25 µL

Cytokines				Chemokines	
BMP10	IL2	IL17F	LIF	CCL1	CCL24 (Eotaxin-2)
CLCF1	IL3	IL18	LTA	CCL2	CCL25
CNTF	IL4	IL19	MIF	CCL3	CCL26 (Eotaxin-3)
CSF1	IL5	IL20	OSM	CCL4	CCL27
CSF2	IL6	IL21	SPP1	CCL5	CCL28
CSF3	IL7	IL22	THPO	CCL7	CXCL1 (GRO-alpha)
CTF1	IL9	IL23	TNF	CCL8	CXCL2 (GRO-beta)
CX3CL1 (Fractalkine)	IL10	IL25 (IL-17E)	TNFSF4 (OX40L)	CCL11 (Eotaxin)	CXCL3
FLT3LG	IL11	IL27	TNFSF8	CCL13	CXCL5 (ENA-78)
IFNA1; IFNA13	IL12B (IL12p40)	IL31	TNFSF9 (4-1BBL)	CCL14	CXCL6
IFNA2	IL12p70	IL32	TNFSF10 (TRAIL)	CCL15	CXCL8 (IL-8)
IFNB1	IL13	IL33	TNFSF11 (RANKL)	CCL16	CXCL9
IFNG	IL15	IL34	TNFSF12 (TWEAK)	CCL17 (TARC)	CXCL10 (IP-10)
IFNL1	IL16	IL35	TNFSF13 (APRIL)	CCL18	CXCL11
IFNL2; IFNL3	IL17A	IL36A	TNFSF13B (BAFF)	CCL19	CXCL12
IFNW1	IL17A IL17F	IL36B	TNFSF14	CCL20	CXCL13
IL1A	IL17B	IL36G	TNFSF15 (TL1A)	CCL21	CXCL16
IL1B	IL17C	IL37	TNFSF18	CCL22 (MDC)	XCL1
IL1RN	IL17D	IL39	TSLP	CCL23	

Regulation/Checkpoint			Growth Factors		Receptors	
ALCAM	CD200R1	IDO1	ANGPT1 (ANG-1)	HGF	AGER (RAGE)	IL17RA (CD217)
ANXA1	CD226	IL4I1	ANGPT2 (ANG-2)	KITLG	AXL	IL17RB
BTLA	CD274 (PD-L1)	KLRK1 (NKG2D)	AREG	MDK	CD3E	IL18BP
CD6	CD276 (B7-H3)	LGALS9 (Galectin-9)	BDNF	NEFL (NFL)	CD4	IL18R1
CD24	CEACAM1	LILRB1	BMP7	NGF	CD40	KDR
CD27	CHI3L1	MICA	EGF	NTF3	CSF1R	LAG3
CD28	CLEC4A	MICB	EPO	PDGFA	CSF2RB	LILRB2
CD33	CST7	NECTIN2	FGF19	PDGFB	CSF3R	MERTK
CD40LG (CD40L)	CTLA4	NECTIN3	FGF2	PGF	CXADR	MRC1 (CD206)
CD46	FURIN	PDCD1 (PD-1)	FGF21	PROS1	EGFR	NCR1
CD47	HAVCR2 (TIM-3)	PDCD1LG2 (PD-L2)	FGF23	TGFB1	ERBB2	OSMR
CD70	ICOS	PVR	FST	TGFB3	ERBB4	SLAMF1
CD80	ICOSLG (B7-H2)	SIGLEC10	GAS6	TPO	FAS	TEK
CD83	IDO1	SIRPA	GDF15	VEGFA	FLT1	TLR2
CD86	IL4I1	TIGIT	GDF2 (BMP9)	VEGFC	FLT4 (VEGFR-3)	TLR3
CD93	KLRK1 (NKG2D)	VSTM1	GRN	VEGFD	HAVCR1	TNFRSF1A (TNFR1)
CD200	LGALS9 (Galectin-9)	VTCN1 (B7-H4)			IL1R1 (CD121a)	TNFRSF1B (TNFR2)

Cell Death		Other			Complement	
BCL2A1	GZMA	AGRP	IRAK4	NAMPT	C1Q	C5
BCL2L11	GZMB	ALPP	JAK1	PTX3	C3	C5A
CASP1	GZMK	BST2	KNG1	S100A12	C3A	MAC
CASP1-Cleaved (D297)	HDAC1	CALCA	LAMP3	S100A9		
CASP7	NCR3LG1	CD163	LCN2	SCG2		
CASP7-Cleaved (D198)	PARP1	CEACAM5 (CEA)	LDHA	SDC1		
CASP8	PRF1	CRP	LDHB	SELE (E-selectin)		
CASP8-Cleaved (D374)	RIPK3	CTSS	MMP1	SELP (P-selectin)		
CASP9	TP53	DEFA5	MMP2	SLURP1		
CASP9-Cleaved (D315)		FAM3C	MMP3	STAT3		
CASP9-Cleaved (D330)		FLRT2	MMP8	THBS2		
CDK4		FTH1	MMP9	TIMP1		
CDK6		GFAP	MMP10	TIMP2		
FASLG		GPC4	MMP12	VCAM1		
GNLY		HLA-DRA	MPO	VSNL1		
GSDMD		ICAM1	MS4A1 (CD20)	WNT16		
GSDME		IKBK	MUC16	WNT7A		

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