

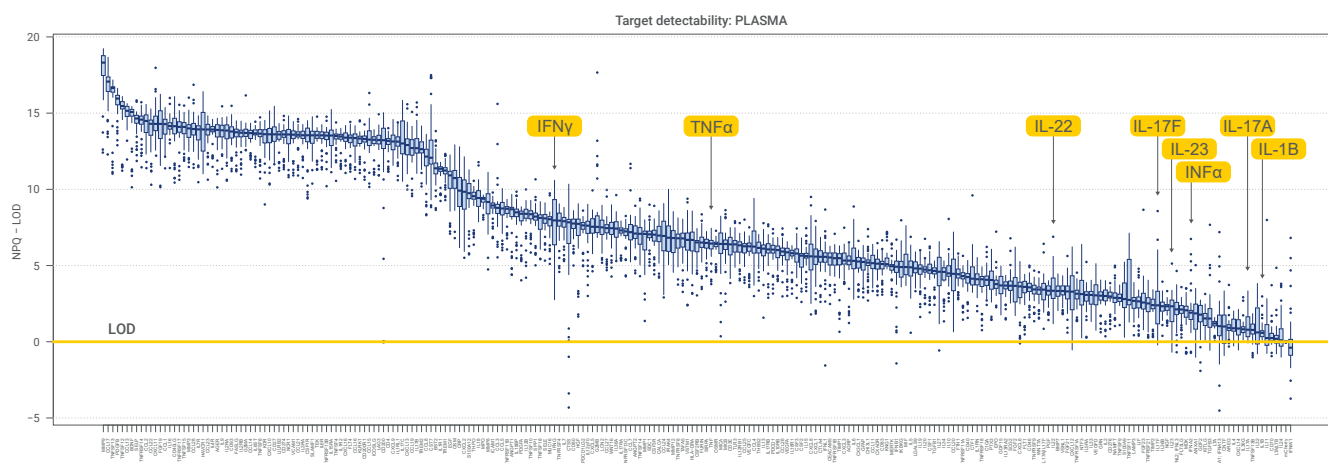
NULISAseq™ Inflammation Panel 250

Deep and Broad Profiling of Inflammatory Response

Inflammation plays a crucial role in the body's immune response and chronic inflammation is implicated in the development of a multitude of diseases including cardiovascular disease, autoimmune disorders, neuro-degenerative disease, and certain cancers. Measuring cytokines and other markers of immune response is particularly important for understanding the underlying mechanisms of inflammatory processes, predicting disease progression, and developing targeted therapies.

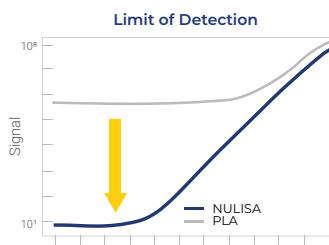
The NULISAseq Inflammation Panel 250 provides researchers with the ability to comprehensively measure the inflammation response with the highest level of sensitivity across ~12 logs of protein abundance. By leveraging a proprietary background suppression mechanism and the latest advances in next generation sequencing, the NULISA™ Platform enables scalable multiplexing of hundreds to thousands of biomarkers from a single 10µL sample.

250+ biomarkers and the broadest coverage of cytokines and chemokines with unmatched detectability and signal to noise ratio



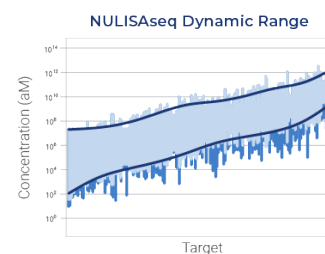
Ultra-high sensitivity

Attomolar sensitivity (fg/mL) and unmatched detectability for analysis of critical, low abundance proteins/cytokines such as IL-4, IL-5, IL-17, IL-30, and IL-33.



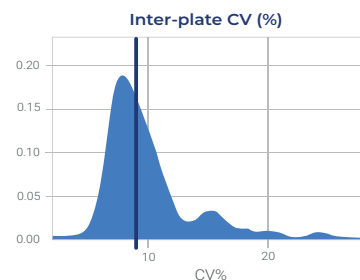
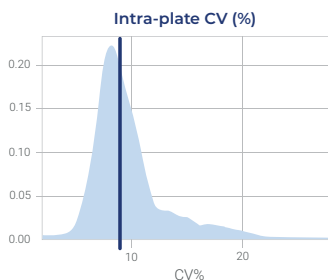
~12 logs dynamic range

Measure protein changes across a broad range of biological expression levels with up to 12 logs dynamic range in a single assay reaction without dilution.



Median CVs <10% ensures high reproducibility

Confidence in your results with highly reproducible assays with median CVs <10%.



Read and cite the latest NULISA publication in *Nature Communications*.

NULISaseq™ Inflammation Panel 250

Profile 250+ biomarkers of inflammation and immune response from just 25µl sample input.

CYTOKINES				CHEMOKINES	
CNTF	IL4	IL18	SPP1 (Osteopontin)	CCL1 (I-309)	CCL25 (TECK)
CSF1 (M-CSF)	IL5	IL19	THPO (Thrombopoietin)	CCL2 (MCP-1)	CCL26 (Eotaxin-3)
CSF2 (GM-CSF)	IL6	IL20	TNF (TNF-α)	CCL3 (MIP-1α)	CCL27 (CTACK)
CSF3 (G-CSF)	IL7	IL22	TNFSF4 (OX40L)	CCL4 (MIP-1β)	CCL28 (MEC)
CTF1	IL9	IL23A IL12B (IL23)	TNFSF8 (CD30L)	CCL5 (RANTES)	CXCL1 (GROα)
CX3CL1 (Fractalkine)	IL10	IL24	TNFSF9 (4-1BBL)	CCL7 (MCP-3)	CXCL2 (GROβ)
FLT3LG	IL11	IL27 EBI3	TNFSF10 (TRAIL)	CCL8 (MCP-2)	CXCL3 (GROγ)
IFNA1; IFNA13 (IFNα1)	IL12A IL12B (IL12p70)	IL32	TNFSF12 (TWEAK)	CCL11 (Eotaxin)	CXCL5 (ENA-78)
IFNA2 (IFNα2)	IL12B (IL12p40)	IL33	TNFSF13 (APRIL)	CCL13 (MCP-4)	CXCL6 (CKA-3)
IFNB1 (IFN-β1)	IL13	IL34	TNFSF14 (LIGHT (HVEM-L))	CCL14 (HCC-1)	CXCL8 (IL8)
IFNG (IFN-γ)	IL15	IL36A	TNFSF15 (TL1A)	CCL15 (MIP-5)	CXCL9 (MIG)
IFNL1 (IFN-λ1)	IL16	IL36B	TNFSF18 (GITRL)	CCL16 (HCC-4)	CXCL10 (IP-10)
IFNL2; IFNL3 (IL28A; IL28B)	IL17A	IL36G	TNFSF11 (RANKL)	CCL17 (TARC)	CXCL11 (I-TAC)
IFNW1 (IFN-ω1)	IL17A IL17F	LIF	TSLP	CCL19 (MIP-3β)	CXCL12 (SDF-1)
IKBKG (NEMO)	IL17B	LTA (TNF-β)		CCL20 (MIP-3α)	CXCL13 (BCA-1)
IL1B (IL1B)	IL17C	LTA LTB (Lymphotoxin)		CCL21 (6Ckine)	CXCL14 (BRAK)
IL2	IL17F	OSM (Oncostatin-M)		CCL22 (MDC)	CXCL16
RECEPTORS				CCL23 (MPIF-1)	TAFAs
AGER (RAGE)	IL2RA (CD25)	IL18R1	TNFRSF1B (CD120b)	CCL24 (Eotaxin-2)	
CD3E (CD3ε)	IL2RB (CD122)	IL13RA2	TNFRSF4 (CD134 (OX40))	GROWTH FACTORS	
CD4	IL3RA	KDR (VEGFR-2)	TNFRSF8 (CD30)	ANGPT1 (ANG-1)	HGF
CD40	IL4R	KLRK1 (NKG2D)	TNFRSF9 (CD137 (4-1BB))	ANGPT2 (ANG-2)	NGF (β-NGF)
CSF1R (CD115)	IL5RA	LAG-3	TNFRSF11A (RANK)	AREG	NTF3 (NT-3)
CSF2RB (CSF2RB)	IL6R	LILRB2 (ILT4)	TNFRSF11B (OPG)	BDNF	PDGFA
CSF3R	IL6ST (CD130)	MERTK (MER)	TNFRSF13B (TACI)	BMP-7	PDGFB
CXADR	IL7R (IL7RA)	NCR1	TNFRSF13C (BAFF-R)	EGF	PGF (PLGF)
FLT1	IL10RB	OSMR	TNFRSF14 (HVEM)	FGF19	TGFB1 (TGF-β1)
FLT4 (VEGFR-3)	IL12RB1	SIRPA (CD172a)	TNFRSF17 (BCMA)	FGF2	TGFB3 (TGF-β13)
HAVCR1 (KIM-1)	IL15RA	SLAMF1 (CD150)	TNFRSF18 (GITR)	FGF21	VEGF-A
IL1R1 (CD121a)	IL17RA (CD217)	TEK (TIE-2)	TNFRSF21 (DR6)	FGF23	VEGF-C
IL1R2 (CD121b)	IL17RB	TLR3	TREM-1	GDF-15	VEGF-D
IL1RL1	IL18BP	TNFRSF1A (CD120a)	TREM-2	GDF-2	IL17RA (CD217)
REGULATION		OTHER			
ANXA1 (Annexin-A1)	CD200R1	AGRP	GRN	LCN2 (Lipocalin-2)	MUC16 (CA-125)
CD27 (TNFRSF7)	CD274 (PD-L1)	BST2 (CD317)	GZMA	LGALS9 (Galectin-9)	NAMPT
CD40LG (CD40 ligand)	CD276 (B7-H3)	C1QA	GZMB	MIC-A	PDCD1 (PD-1)
CD46	CHI3L1 (YKL-40)	CALCA (CGRP-I)	HLA-DRA	MIC-B	PDCD1LG2 (PD-L2)
CD70	CLEC4A (CLEC4A)	CEACAM5 (CEA)	ICAM1 (CD54)	MIF (MMIF)	PTX3
CD80	CST7	CRP	ICOSLG (B7-H2)	MMP-1	S100A9 (MRP-14)
CD83	CTLA-4	CTSS	IL1RN	MMP-3	S100A12 (ENRAGE)
CD93	FURIN	EPO	IRAK-4	MMP-8	SCG2
CD200		FASLG	KITLG	MMP-9	SDC1 (CD138)
		FTH1 (FTH)	KNG1	MMP-12	SELE (E-selectin)
		GFAP	LAMP-3	MPO	SELP (P-selectin)
					THBS2
					TIMP-1
					TIMP-2
					VCAM-1
					VSNL1 (VILIP)
					VSTM1
					WNT7A (Wnt-7A)
					WNT16 (Wnt-16)

Ordering information

Product Name	Plate Format	Sample Type	Catalog Number
NULISaseq Inflammation Panel 250	96	plasma/serum	800103

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