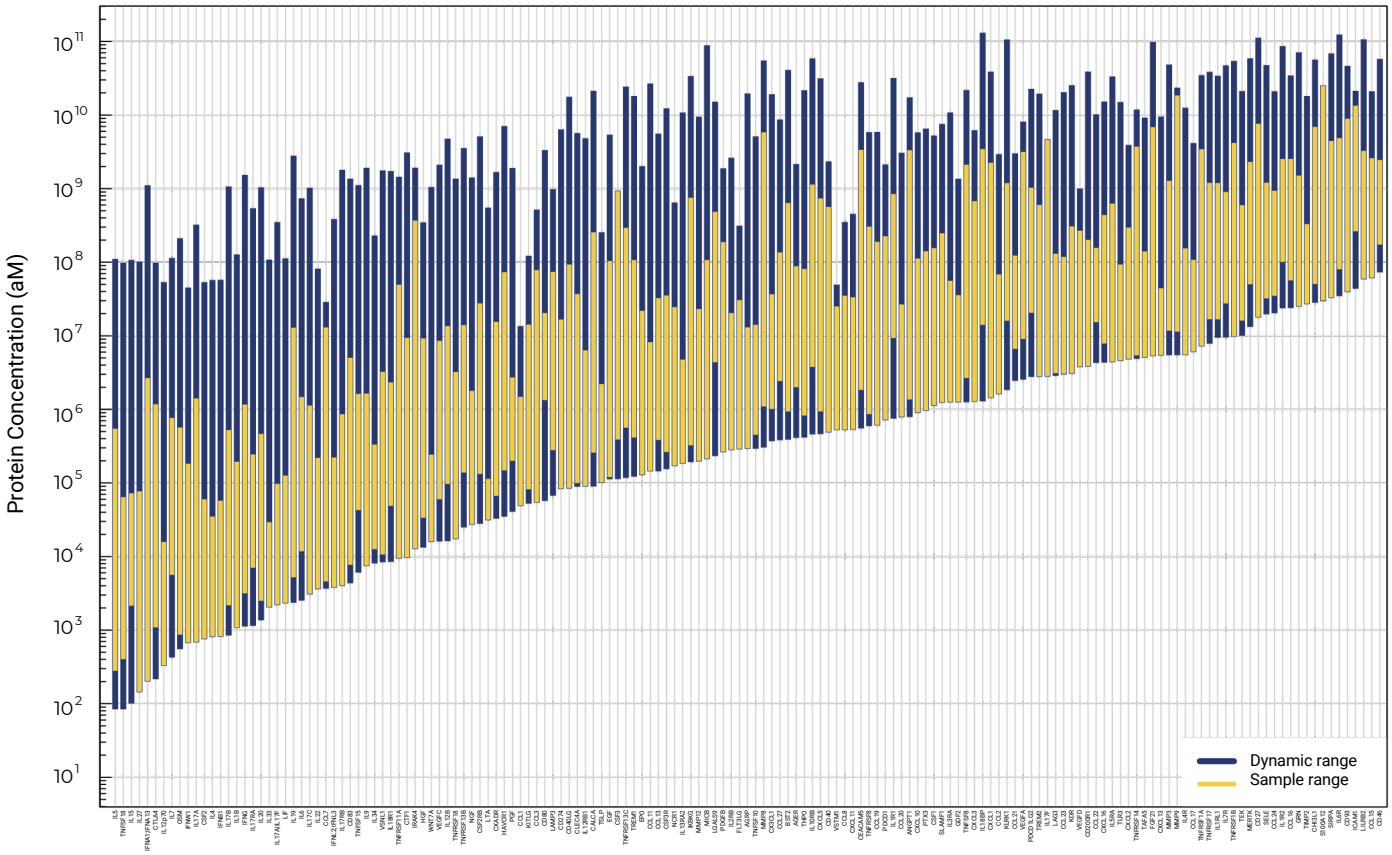
NULISAseq™ Inflammation Panel AQ

Multiplexed Protein Quantification with Unprecedented Precision

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.

Offering unparalleled coverage of the immune response, the NULISAseq Inflammation Panel AQ enables the discovery of novel signatures across while delivering precise quantitative measurements for over 150 key biomarkers from just 10µL of sample (25µL input). With exceptional sensitivity to detect cytokine levels in both normal and disease samples, the NULISAseq Inflammation AQ empowers researchers to track changes from baseline or after therapeutic treatments in clinical cohorts.

Unmatched sensitivity and broad dynamic range



Confidence in your results

High reproducibility with median CVs <10%

CV component	Median CV (%), Plasma
Intra-plate	5.96
Inter-plate	3.07
Inter-Instrument	0.95
Inter-Reagent Lot	1.75
Total	8.35

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

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NULISAseq™ Inflammation Panel AQ

Quantify 150+ biomarkers of inflammation from just 10µL of sample (25µL input).

CYTOKINES

CSF1 (M-CSF)
CSF2 (GM-CSF)
CSF3 (G-CSF)
CTF1
CX3CL1 (Fractalkine)
FLT3LG
IFNA1;IFNA13 (IFNα1)
IFNB1 (IFNβ1)
IFNG (IFN-γ)
IFNL2;IFNL3 (IL28A;IL28B)
IFNW1 (IFNω1)
IKBKG (NEMO)
IL12A|IL12B (IL12p70)
IL12B (IL12p40)
IL15
IL17A
IL17A|IL17F
IL17B
IL17C
IL17F
IL19
IL1B
IL20
IL22
IL27|EBI3 (IL-27)
IL33
IL34
IL4
IL5
IL6
IL7
IL9
LIF
LTA (TNF-β)
OSM (Oncostatin-M)
THPO (Thrombopoietin)
TNFSF10 (TRAIL)
TNFSF15 (TL1A)
TNFSF18 (GITRL)
TNFSF8 (CD30L)
TSLP

CHEMOKINES

CCL1 (I-309)
CCL11 (Eotaxin)
CCL13 (MCP-4)
CCL15 (MIP-5)
CCL16 (HCC-4)
CCL17 (TARC)
CCL19 (MIP-3β)
CCL2 (MCP-1)
CCL20 (MIP-3α)
CCL21 (6Ckine)
CCL22 (MDC)
CCL23 (MPIF-1)
CCL24 (Eotaxin-2)
CCL27 (CTACK)
CCL3 (MIP-1α)
CCL7 (MCP-3)
CCL8 (MCP-2)
CXCL1 (GROα)
CXCL10 (IP-10)
CXCL11 (I-TAC)
CXCL13 (BCA-1)
CXCL16
CXCL2 (GROβ)
CXCL3 (GROγ)
CXCL5 (ENA-78)
TAFA5

GROWTH FACTORS

ANGPT1 (ANG-1)
EGF
FGF21
GDF2
HGF
NGF (β-NGF)
PDGFB
PGF (PIGF)
VEGFA
VEGFC
VEGFD

REGULATION

CD200R1
CD27 (TNFRSF7)
CD274 (PD-L1)
CD40LG (CD40 ligand)
CD46
CD80
CD83
CD93
CHI3L1 (YKL-40)
CLEC4A
CTLA-4

RECEPTORS

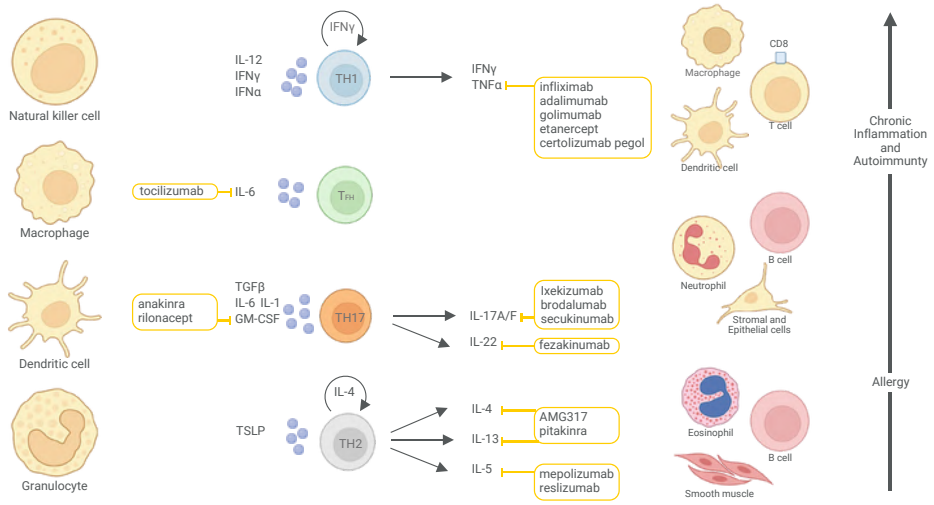
AGER (RAGE)
CD40
CSF2RB
CSF3R
CXADR
HAVCR1 (KIM-1)
IL10RB
IL12RB1
IL13RA2
IL17RA (CD217)
IL17RB
IL18BP
IL18R1
IL1R1 (CD121a)
IL1R2 (CD121b)
IL1RL1
IL2RB (CD122)
IL3RA
IL4R
IL5RA
IL6R
IL7R (IL-7RA)
KDR (VEGFR2)
KLRK1 (NKG2D)
LAG3
LILRB2 (ILT4)
MERTK (MER)
NCR1
SIRPA (CD172a)
SLAMF1 (CD150)
TEK (TIE-2)
TLR3
TNFRSF11A (RANK)
TNFRSF13B (TACI)
TNFRSF13C (BAFF-R)
TNFRSF14 (HVEM)
TNFRSF17 (BCMA)
TNFRSF18 (GITR)
TNFRSF1A (CD120a)
TNFRSF1B (CD120b)
TNFRSF8 (CD30)
TREM1
TREM2

OTHER

AGRP
BST2 (CD317)
CALCA (CGRP-I)
CEACAM5 (CEA)
EPO
GRN (Progranulin)
ICAM1 (CD54)
IRAK4
KITLG
LAMP3
LGALS9 (Galectin-9)
MICB
MMP12
MMP3
MMP8
MMP9
PDCD1 (PD-1)
PDCD1LG2 (PD-L2)
PTX3
S100A12 (ENRAGE)
SELE (E-selectin)
TIMP2
VSNL1 (VILIP)
VSTM1
WNT7A

Discover the biomarkers of disease progression and therapeutic response.

Cytokines are key modulators of inflammation and the target of many therapeutics.



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Brought to you by Sapient, an Alamar Certified Service Provider for NULISA™ panels and assays

Tap our deep expertise in Alamar's technologies and in multi-omics data and insight generation to obtain robust measures for the most relevant cytokine and chemokine inflammation targets.

Request services: sapient.bio/nulisa | discover@sapient.bio | 858.290.7010

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