

# Tapestri Single-Cell Targeted RNA Panel

Unlock high-resolution insights into gene expression with the Tapestri Single-Cell Targeted RNA Panel. Designed for precision and sensitivity, this panel quantifies transcriptomic signatures at single-cell resolution, enabling you to dissect cell states, identify rare populations, and track functional changes across complex biological systems. Ideal for applications in hematology, oncology, and cell and gene therapy research. Access a curated set of 216 gene targets, with the flexibility to append up to 50 additional genes for targeted, high-resolution expression profiling.

## Panel Specifications

Metric	Value
Number of genes	212
Negative control genes	4
Amplicons per gene	1
Number of amplicons	216
Amplicon length	235 - 261 bp
Panel uniformity	TBD
Panel size	53778 bp
% of amplicons with high GC content ( $\geq 62\%$ )	7.4% (16 amplicons)
Recommended number of reads per run	TBD

# Tapestri® Single-Cell Targeted RNA Panel:

Adhesion & Migration	
VCAM1	CDH1
ITGB1	ITGAE
PLAU	PECAM1
THBS1	ICAM1
CDH5	

  

Antigen Presentation	
HLA-E	TAP1
HLA-DRA	TAPBP

  

Apoptosis	
FASLG	BAX
FAS	BID
FADD	CASP3
BCL2	TNFAIP3

  

Cell Cycle	
MKI67	CCND3
RB1	TTK
CCNB1	CDKN2A
CDKN1A	

  

Chemokines & Chemokine Receptors	
CX3CL1	CCR1
CCL5	CCR2
CXCR4	CXCL1
CXCR2	CXCL2
CX3CR1	CXCR3

  

Immune Checkpoints	
SLAMF6	ICOS
SLAMF7	PDCD1
TNFSF4	ICOSLG
LAG3	BTLA
CTLA4	TIGIT

  

Immune Receptors	
S100A12	C3
FCGR3A	CEACAM1
PTPRC	FCAR

  

Cytokines & Growth Factors	
CSF1	VEGFC
IL10	IL3
IL24	CSF2
TGFB2	IL5
CSF3	IL4
TGFB1	IL9
IL1A	IL12B
IL1B	FGF18
IL1RN	TNF
LIF	VEGFA
OSM	IL6
IL12A	HGF
AREG	ANGPT2
EGF	ANGPT1
IL2	

  

DNA Repair	
ATM	APC
RAD51	

  

GPCR Signaling	
PTGER4	

  

Growth Factor & Cytokine Receptors	
CSF3R	TGFBR2
IL23R	PDGFRA
IL6R	IL6ST
IL2RA	CSF1R
IL10RA	PDGFRB
IL4R	IFNGR1
IL21R	FGFR1
IL12RB1	IL11RA
IL1R2	IL2RG
IL1R1	

  

TLRs	
TLR1	TLR3
TLR2	TLR4

  

Kinases	
MTOR	AKT2
LCK	MAPK1
JAK1	RAF1
HRAS	PIK3CA
AKT1	PIK3R1
MAP2K1	MAPK14
PRKCB	FYN
MAPK3	BLK
MAP2K2	

  

Metabolism	
SLC2A1	EIF4EBP1
B2M	PGK1
PSMB9	G6PD
ARG1	

  

NK / Cytotoxic Function	
PRF1	ZAP70
IFNG	

  

Notch Signaling	
NOTCH2	NOTCH1

  

Reporter	
EGFP	RFP
GFP	BFP

  

RNA Polymerase	
POLR1B	NOTCH1

  

RTK Signaling	
FLT3	EGFR
FLT1	MET

  

Signaling Adaptors & Regulators	
CHUK	RBX1
TRAF6	MYD88
DUSP6	IKBKK
SOCS2	

  

Surface Markers	
CD1C	CD19
CD84	CD68
CD48	CD7
CD244	CD70
CD34	CD209
CD44	CD22
MS4A1	CD33
CD6	CD8A
CD5	CD8B
NCAM1	CD8B2
CD3E	CD28
CD3D	CD96
CD3G	CD80
CD27	CD86
CD4	CD38
CD163	CD36
KLRB1	CD274
CD69	CD40LG
CD276	

  

Transcription Factors	
GATA3	SMAD2
RELA	NFATC1
STAT2	STAT1
NFKBIA	STAT4
HIF1A	PPARG
FOS	CTNNB1
BATF	BCL6
SMAD3	NFKB1
CREBBP	LEF1
STAT5B	IRF2
STAT3	SMAD5
TBX21	FOXP3