CROWN BIOSCIENCE

Mouse I/O RNA-Seq Panel

NGS-based murine targeted panel for I/O and TME studies

A JSR Life Sciences Company

QUICKFACT

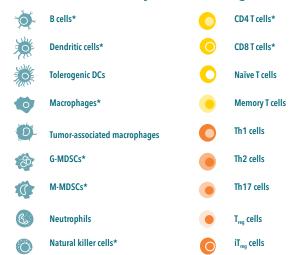
 Comprehensive profiling of genes associated with tumor immunity by measuring 1080 mouse transcripts from a single sample Rapid transcriptomic insights into key immune cell populations and I/O pathways and process in the TME

Mouse I/O RNA-Seq Panel Benefits			
Comprehensive	 Expression level of 1080 genes from a single sample Wide coverage in tumors, TME, and immune response 		
Flexible Sample Types	Extracted RNA Multiple tissues: tumor, blood, immune cells etc.		
High-Throughput	Suitable for large-scale immunotherapy screening, as well as examining multiple tissues in parallel		
High Sensitivity High Accuracy	 >3 times the sequencing depth of RNA-Seq Avoid biases on non-protein coding RNAs like mitochondrial RNAs 		
Easy Integration	As standalone service or streamline with preclinical <i>in vivo</i> studies Complementary with FACS, IHC and Western Blot		
Cost-Effective Fast Turnaround	Lower cost per sample 3-week turnaround time		

Mysical Component T7 Stromal Factors 102	T Cell Priming and Activation 142	Killing of Cancer Cells 165	Recognition of dimens clarks to 15 days
Angiogeness PISK-Akt 100 GGF-8 85 Apoptosis Immuno 100 Apoptosis 100 Apoptosis 20 Apoptosis 20	Immune Cell Localization to Tumors 275 DNA	38	yeloid Cell Activity
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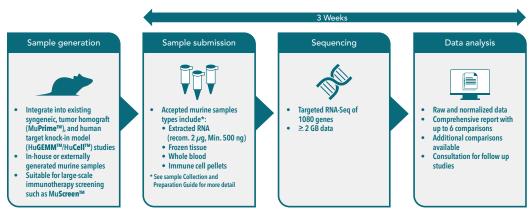
Assay Comparison					
	Mouse I/O RNA-Seq Panel	Microarray I/O profiling			
Technology	Targeted deep NGS	Target mRNA (cDNA) hybridize with DNA probes			
Target Molecules	mRNAs	mRNAs			
Throughput	High (1080 genes)	High (hundreds to thousands of genes, depending on vendor)			
Accuracy	High	Low-medium			
Sensitivity on detecting low expressing genes	High	Low-medium			
Mouse strain discrimination	Yes	No			
Turnaround time	2-3 weeks	3-10 weeks depending on vendor			
Cost	Low	Medium			

Panel Includes Key Immune Cell Signatures



*Strain specific gene signatures available for C57BL/6 and BALB/c

Streamline Your In Vivo Study Sample Analysis Workflow



Get in touch



Sales

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