SINGLE-CELL INTRACELLULAR PROTEOME

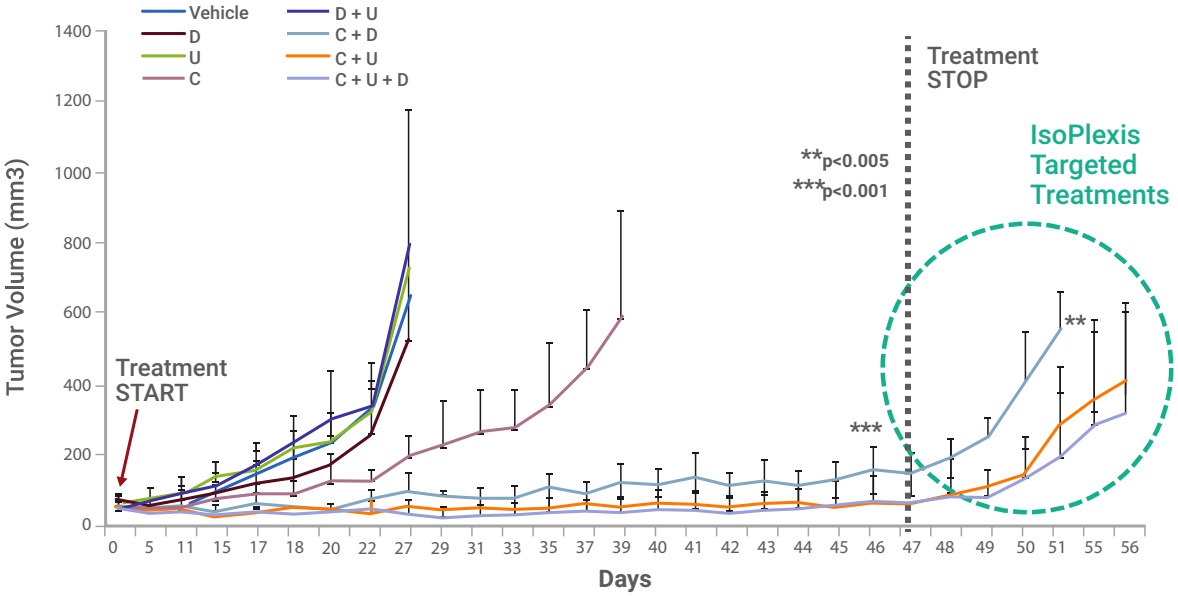
The Single-Cell Intracellular Proteome for intracellular signaling omics provides functional characterization of the signaling networks and resistance pathways of cancer cells for the development of improved treatments to combat therapeutic resistance.

Human Tumor Signaling

P-PRAS40, P-IkBα, P-NF-kβ p65, P-Met, P-p44/42 MAPK, P-S6 Ribosomal, P-p90RSK, P-STAT3, P-MEK1/2, P-Stat1, P-Stat5, P-eIF4E, Cleaved PARP*, Alpha Tubulin

*Inquire About Availability

Prediction and Treatment of Resistance in Tumor Cells in Pre-Clinical Studies



Single-cell intracellular proteome identified rare intracellular signatures and rare subsets of cells that lead to resistance in glioblastoma. These signatures correlated with better therapies, leading to longer term survival in mouse models.

Wei W,et al. Single-Cell Phosphoproteomics Resolves Adaptive Signaling Dynamics and Informs Targeted Combination Therapy in Glioblastoma., Cancer Cell, 29:4 563-573, 2016

ISOCODE CHIPS	PRODUCT CODE
Single-Cell Intracellular Chips – 4	ISOCODE-4L01-4

PANELS - ISOLIGHT	PRODUCT CODE
Single-Cell Intracellular Tumor Signaling Panel – (H) 4	PANEL-4L01-4

PANELS - ISOSPARK	PRODUCT CODE
Single-Cell Intracellular Tumor Signaling Panel – (H) 4	S-PANEL-4L01-4

RESEARCH AREAS

- Cancer Immunology
- Cell Therapy
- Infectious Disease
- Inflammation
- Targeted Therapies