

Human protein panels	Immune cell profiling	ITx Drug Target	Immune Activation Status	Cell Death	Immune Cell typing	Pan-Tumor	MAPK Signaling	Control proteins
Markers	Beta-2-microglobulin CD11c CD20 CD3 CD4 CD45 CD56 CD68 CD8 CTLA4 Granzyme B Ki-67 PD-1 PD-L1 Pan-cytokeratin HLA-DR SMA Fibronectin	4-1BB ARG1 B7-H3 GITR IDO1 LAG3 OX40L STING TIM-3 VISTA	CD127 CD25 CD27 CD40 CD44 CD80 ICOS PD-L2	BAD BCL6 BCLXL BIM CD95/Fas GZMA P53 PARP Cleaved Caspase 9	CD14 CD163 CD34 CD45RO CD66b FAP alpha FOXP3	BCL-2 EpCAM ER alpha HER2/ERBB2 MART1 NY-ESO-1 PR PTEN S100B	EGFR Pan-RAS BRAF Phospho-c-RAF (S338) Phospho-JNK (T183/Y185) Phospho-MEK1 (S217/S221) Phospho-p38 MAPK (T180/Y182) Phospho-p44/42 MAPK ERK1/2 (T202/Y204) P44/42 MAPK ERK1/2 Phospho-p90 RSK (T359/S363)	Histone H3 S6 GAPDH Ms IgG1 Ms IgG2a Rb IgG

Supplemental Table 2. Target-protein panels included in the GeoMx™ Immuno-Oncology Human Protein Assay. ITx, immunotherapy.