

## SUPPLEMENTARY TABLE AND FIGURE

Supplementary Table S1: Instrument settings and data acquisition parameters for LA-ICP-MS

Laser ablation	New Wave Research
Type	UP193HE ArF* excimer based laser
Measurements	Mapping
Wavelength, nm	193
Lateral scanning speed, $\mu\text{m/s}$	80
Repetition frequency, Hz	10
Laser energy, $\text{J/cm}^2$	0.7–0.8
Diameter of laser beam, $\mu\text{m}$	80
Ablation chamber	Standard cell
ICP-SFMS	Element XR
Mass resolution, $\text{m}/\Delta\text{m}$	300
RF power, W	850
Carrier gas flow rate, L/min	He, 0.5
Make up gas flow rate, (L/min)	Ar, 0.7
Number of runs	200–300
Number of passes	1
Time per pass, s	1



Supplementary Figure S1: Picture of a peritoneal tumor nodule.