

**Supplementary Table 1.** Numbers of data sets in individual panel and multi-panel ELISA kit

Institute	Individual panel	Multi-panel	Common
Normal			
SNUH	348	347	346
PDAC			
SNUH	50	50	50
AMC	75	75	75
NCC	128	112	112
SMC	96	97	92
YMC	47	47	47
Total	396	381	376

Individual panel and multi-panel ELISA kit data set for experiment consistency. Common population data was used to calculate the correlation of values.

ELISA, enzyme-linked immunosorbent assay; SNUH, Seoul National University Hospital; PDAC, pancreatic ductal adenocarcinoma; AMC, Asan Medical Center; NCC, National Cancer Center; SMC, Samsung Medical Center; YMC, Yonsei Medical Center.