

## Human Cancer Discovery Array (20 targets)

**Catalog Number:** AKAA027

**Size:** 2, 4, or 8

**Price:** [Online Inquiry](#)

Product Information	
Product Name	Human Cancer Discovery Array (20 targets)
Applications	Multiplexed Protein Detection; Detection of Relative Protein Expression; Detecting Patterns of Cytokine Expression; Biomarker/ Key Factor Screening; Identifying Key Factors; Confirming a Biological Process
Analytes	Alpha-fetoprotein Beta-2 Microglobulin CA125 CA19-9 CEA CRP (C-Reactive Protein) DKK-1 Ferritin Galectin-3 GDF-15 HGF ICAM-1 (CD54) IL-8 (CXCL8) MMP-2 Osteopontin (SPP1) PAI-1 PSA-free RANTES (CCL5) TIMP-1 VEGF-A
ASSAY SIZE	2 Arrays/4 Arrays/8 Arrays/
Product Features	Easy to useNo specialized equipment neededCompatible with nearly any liquid sampleProven technologyHighly sensitive (pg/ml)Sandwich ELISA specificityHigher density than ELISA, Western blot or bead-based multiplex
Kit Components	Human Cancer Discovery Antibody Array C1 MembranesBlocking BufferWash Buffer 1Wash Buffer 2Biotinylated Detection Antibody CocktailStreptavidin-Conjugated HRPDetection Buffer CDetection Buffer DLysis Buffer8-Well Incubation TrayPlastic SheetsArray TemplatesOther Materials RequiredPipettors, pipet tips and other common lab consumablesOrbital shaker or oscillating rockerTissue Paper, blotting paper or chromatography paperAdhesive tape or Saran WrapDistilled or de-ionized waterA chemiluminescent blot documentation system , X-ray Film and a suitable film processor, or another chemiluminescent detection system.
Protocol Outline	1.Block membranes2.Incubate with Sample3.Incubate with Biotinylated Detection Antibody Cocktail4.Incubate with HRP-Conjugated Streptavidin5.Incubate with Detection Buffers6.Image with chemiluminescent imaging system7.Perform densitometry and analysis
Species	Human
Number of Targets Detected	20
Gene Symbols	AFP, B2M, CA (19-9), CCL5, CEACAM5, CRP, CXCL8, DKK1, FTH1, GDF15 HGF, ICAM1, KLK3, LGALS3, MMP2, MUC16, SERPINE1, SPP1, TIMP1, VEGFA
Compatible Sample Types	Cell Culture Supernatants, Cell Lysates, Plasma, Serum, Tissue Lysates
Design Principle	Sandwich-based
Method of Detection	Chemiluminescence

**Product Information**

Quantitative/Semi-Quantitative	Semi-Quantitative
Storage	For best results, store the entire kit frozen at -20&deg;C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thawed, store array membranes and 1X Blocking Buffer at -20&deg;C and all other reagents undiluted at 4&deg;C for no more than 3 months.