

Canine Cytokine Array (40 targets)

Catalog Number: AKAA009

Size: 2, 4, or 8

Price: [Online Inquiry](#)

Product Information	
Product Name	Canine Cytokine Array (40 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	Cystatin C Decorin EGFR ErbB3 Erythropoietin FGF-7 (KGF) Galectin-3 GASP-1 (WFIKKNRP) GM-CSF GRO alpha (CXCL1) HGF HGFR IFN-gamma IGFBP-2 IL-1 alpha (IL-1 F1) IL-1 beta (IL-1 F2) IL-1 Ra (IL-1 F3) IL-10 IL-12 p40 IL-13 IL-17A IL-2 IL-21 IL-6 IL-8 (CXCL8) MCP-1 (CCL2) MIP-1 beta (CCL4) MMP-8 NCAM-1 (CD56) Nope PDGF-BB RAGE RANTES (CCL5) Resistin SCF TGF alpha TNF alpha TNF RI (TNFRSF1A) Trappin-2 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	Canine Cytokine 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	Canine
Number of Targets Detected	40
Gene Symbols	C1QTNF1, CCL2, CCL4, CSF2, CXCL1, CXCL8, DCN, EGFR, EPOR, FGF7 HGF, IFNG, IL10, IL12B, IL17A, IL1B, IL2, IL6, KITLG, LGALS3, MET, PDGFB, TNFRSF1A, VEGFA
Compatible Sample Types	Cell Culture Supernatants, Cell Lysates, Plasma, Serum, Tissue Lysates

Product Information

Design Principle	Sandwich-based
Method of Detection	Chemiluminescence
Quantitative/Semi-Quantitative	Semi-Quantitative
Storage	For best results, store the entire kit frozen at -20°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°C and all other reagents undiluted at 4°C for no more than 3 months.