

Human Atherosclerosis Array (20 targets)

Catalog Number: AKAA022

Size: 2, 4, or 8

Price: [Online Inquiry](#)

| Product Information | |
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| Product Name | Human Atherosclerosis 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 | Eotaxin-1 (CCL11) GCSF GDNF GM-CSF ICAM-1 (CD54) IFN-gamma IL-1 alpha (IL-1 F1) IL-1 beta (IL-1 F2) IL-1 R1 IL-1 R2 MCP-1 (CCL2) M-CSF TGF beta 1 TGF beta 2 TGF beta 3 TNF alpha TNF beta (TNFSF1B) MIP-3 alpha (CCL20) PDGF-BB RANTES (CCL5) |
| 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 Atherosclerosis 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 | CCL11, CCL2, CCL20, CCL5, CSF1, CSF2, CSF3, GDNF, ICAM1, IFNG IL1A, IL1B, IL1R1, IL1R2, LTA, PDGFB, TGFB1, TGFB2, TGFB3, TNF |
| Compatible Sample Types | Cell Culture Supernatants, Cell Lysates, Plasma, Serum, Tissue Lysates |
| Design Principle | Sandwich-based |
| Method of Detection | Chemiluminescence |

Product Information

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|--------------------------------|--|
| Pathway | MAPK Signaling / NFkB Signaling |
| 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. |