

Human NF-kB Array (34 targets)

Catalog Number: AKAA055

Size: 2, 4, or 8

Price: [Online Inquiry](#)

Product Information	
Product Name	Human NF-kB Array (34 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	ASC (PYCARD) BCL-10 CD40 (TNFRSF5) cIAP-1 (BIRC2/hIAP-2) cIAP-2 c-Rel FADD Fas (TNFRSF6/Apo-1) IκB-alpha IκB-b (NFKBIB) IκB-epsilon (NF-kappa-BIE) IKK-B IKK-E (IKBKE) IKK-gamma (NEMO/FIP-3) IL-1 Ra (IL-1 F3) IL-1 R1 IL-17 RA IL-1 R5 (IL-18 R alpha) IRAK1 IRF5 JNK2 (MAPK9 isoform alpha-1) Lymphotoxin beta R (TNF RIII) MyD88 NFKB1 nfkb2 NGFR (TNFRSF16) p53 socs6 STING TLR2 TNF RI (TNFRSF1A) TNF RII (TNFRSF1B) TRAIL R1 (TNFRSF10A/DR4) TRAIL R2 (TNFRSF10B/DR5)
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 NF-kB Array C2 MembranesBlocking BufferDetection Antibody Cocktail1,000X HRP-Anti-Rabbit-IgG Concentrate20X Wash Buffer I Concentrate20X Wash Buffer II Concentrate2X Cell Lysis Buffer ConcentrateDetection Buffer CDetection Buffer D8-Well Incubation Tray w/ LidProtease Inhibitor CocktailPlastic SheetsArray Map TemplateOther Materials RequiredPipettors, pipet tips and other common lab consumablesOrbital shaker or oscillating rockerTissue Paper, blotting paper or chromatography paperAdhesive tape or plastic WrapDistilled or de-ionized waterA chemiluminescent blot documentation system: CCD camera, X-ray Film and a suitable film processor, gel documentation system, or another chemiluminescent detection system capable of imaging a western blot.
Protocol Outline	1.Block membranes2.Incubate with Sample3.Incubate with 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	34
Gene Symbols	ASC, BCL10, BIRC2, BIRC3, CD40, CIS4, FADD, FAS, FIP3, IKBB IKBE, IKBKB, IKBKE, IL17RA, IL18R1, IL1R1, IL1RN, IRAK, IRF5, JNK2, LTBR, LYT10, MYD88, NFKB1, NGFR, REL, TLR2,

Product Information	
	TMEM173, TNFRSF10A, TNFRSF10B, TNFRSF1A, TNFRSF1B, TP53
Compatible Sample Types	Cell Culture Supernatants, Cell Lysates, Plasma, Serum, Tissue Lysates
Design Principle	Sandwich-based
Method of Detection	Chemiluminescence
Pathway	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.