

# Multiplex Membrane Antibody Arrays

**Detects 7-274 targets simultaneously**

**SIMPLE:**

Detects 7-274 targets simultaneously.

**FLEXIBLE:**

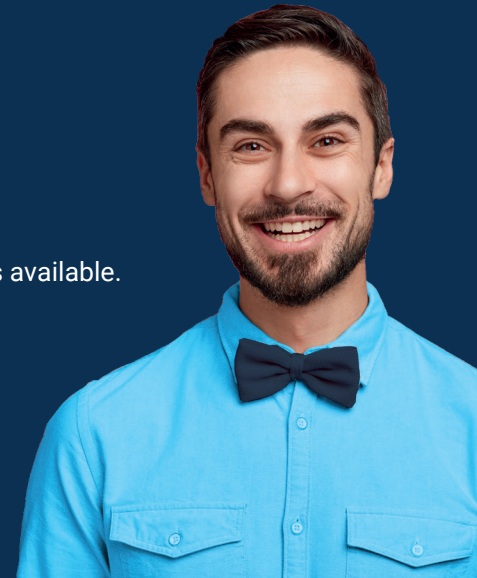
Human, mouse, rat, bovine, canine, porcine, sheep, dolphin, equine and chicken arrays available.

**SENSITIVE:**

Can detect as low as 1 pg/ml for certain proteins.

**DYNAMIC:**

Detect as high as 4 orders of magnitude ( $10^4$ ) for certain proteins.



## HUMAN PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Human/Mouse AKT Phospho Array	SARB0017	18 targets	AKT1, AKT1S1, BAD, CDKN1B, EIF4EBP1, GSK3A, GSK3B, MAPK1 & 10 other analytes
Human Insulin Receptor Phospho Array	SARB0053	9 targets	EIF4E, FOXO3, IGF1R, INPP5D, INS, IRS1, PTPN11, SHC1 & 1 other analyte
Human JAK/STAT Phospho Array	SARB0054	12 targets	EGFR, JAK1, JAK2, PTPN11, PTPN6, SRC, STAT1, STAT2 & 4 other analytes
Human/Mouse MAPK Phospho Array	SARB0055	17 targets	AKT1, CREB1, GSK3A, GSK3B, HSPB1, MAP2K1, MAP2K3, MAP2K6 & 9 other analytes
Human NF-kB Phospho Array	SARB0059	11 targets	ATM, EIF2S1, HDAC2, HDAC4, MAP3K7, NFKBIA, RELA, RPS6KA5 & 3 other analytes
Human Phospho Profiling Array	SARB0063	55 targets	AKT1, AKT1S1, AMPK1, AND, ATF2, ATM, BAD, CDKN1B & 47 other analytes
Human RTK Phospho Array	SARB0064	71 targets	ABL1, AXL, BLK, BMX, BTK, CSF1R, CSK, DDR2 & 63 other analytes
Human TGF beta Phospho Array	SARB0069	8 targets	ATF2, FOS, JUN, MAP3K7, SMAD1, SMAD2, SMAD4, SMAD5
Human EGFR Phospho Array	SARB0062	16 targets	EGFR, ERBB2, ERBB3, ERBB4
Human Obesity Array	SARB0015	62 targets	ACE2, ADIPOQ, AGRP, ANGPT1, ANGPT2, ANGPTL4, CCL16, CCL18 & 54 other analytes
Human AKI Array	SARB0016	20 targets	ALB, B2M, CALB1, CCL2, CLU, CST3, CXCL10, CXCL16 & 12 other analytes
Human Angiogenesis Array	SARB0018	43 targets	ANG, ANGPT1, ANGPT2, CCL1, CCL13, CCL2, CCL5, CCL7 & 35 other analytes
Human Angiogenesis Array	SARB0019	20 targets	ANG, CCL2, CCL5, CXCL1, CXCL2, CXCL3, CXCL5, CXCL8 & 12 other analytes
Human Angiogenesis Array	SARB0020	23 targets	ANGPT1, ANGPT2, CCL1, CCL13, CCL7, COL18A1, CSF2, CSF3 & 15 other analytes
Human Apoptosis Array	SARB0021	43 targets	BAD, BAX, BCL2, BCL2L11, BCL2L2, BID, BIRC3, BIRC5 & 35 other analytes
Human Apoptosis Signaling Array	SARB0022	19 targets	AKT1, ATM, BAD, CASP3, CASP7, CHEK1, CHEK2, EIF2A & 11 other analytes
Human Autophagy Array	SARB0023	20 targets	ATG10, ATG12, ATG13, ATG3, ATG4A, ATG4B, ATG5, ATG7 & 12 other analytes
Human Atherosclerosis Array	SARB0024	20 targets	CCL11, CCL2, CCL20, CCL5, CSF1, CSF2, CSF3, GDNF & 12 other analytes
Human BMP Related Array	SARB0025	16 targets	BAMBI, BMP2, BMP4, BMP5, BMP6, BMP7, BMP8A, BMPER & 8 other analytes
Human BMP Related Array	SARB0026	8 targets	BMP2, BMP4, BMP5, BMP6, BMP7, BMP8A, GDF11, GDF2
Human Cancer Discovery Array	SARB0027	10 targets	AFP, CA (19-9), CEACAM5, GDF15, HGF, KLK3, MUC16, SPP1 & 2 other analytes
Human Cancer Discovery Array	SARB0028	20 targets	AFP, B2M, CA (19-9), CCL5, CEACAM5, CRP, CXCL8, DKK1 & 12 other analytes
Human Cancer Discovery Array	SARB0029	30 targets	AFP, B2M, CA (19-9), CCL5, CEACAM5, CGA, CRP, CXCL8 & 22 other analytes

# Multiplex Antibody Arrays

## HUMAN PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Human Chemokine Array	SARB0030	38 targets	CCL1, CCL11, CCL13, CCL15, CCL16, CCL17, CCL18, CCL19 & 30 other analytes
Human Cytokine Array	SARB0031	120 targets	ADIPOQ, AGRP, ANG, ANGPT2, AREG, AXL, BDNF, BMP4 & 112 other analytes
Human Cytokine Array	SARB0032	49 targets	ACE2, AFP, ANGPT1, ANGPTL4, B2M, CA (19-9), CA9, CALCA & 41 other analytes
Human Cytokine Array	SARB0033	40 targets	ADAM9, BMP2, C5, CD200, CD244, CD97, CTSL, FABP2 & 32 other analytes
Human Cytokine Array	SARB0034	23 targets	CCL2, CCL5, CCL7, CCL8, CSF2, CSF3, CXCL1, CXCL8 & 15 other analytes
Human Cytokine Array	SARB0035	32 targets	AHSG, ALB, AMICA1, ANGPT4, CD163, CLU, CRTAM, CSF3R & 24 other analytes
Human Cytokine Array	SARB0036	174 targets	ADIPOQ, AGRP, ALCAM, ANG, ANGPT2, AREG, AXL, BDNF & 166 other analytes
Human Cytokine Array	SARB0037	42 targets	ANG, CCL1, CCL15, CCL17, CCL2, CCL22, CCL5, CCL7 & 34 other analytes
Human Cytokine Array	SARB0038	274 targets	ACE2, ADAM17, ADIPOQ, AFP, AGER, AGRP, ALCAM, ANG & 266 other analytes
Human Cytokine Array	SARB0039	36 targets	BDNF, CCL11, CCL13, CCL18, CCL20, CCL23, CCL24, CCL26 & 28 other analytes
Human Cytokine Array	SARB0040	80 targets	ANG, BDNF, CCL1, CCL11, CCL13, CCL15, CCL17, CCL1 & 72 other analytes
Human Cytokine Array	SARB0041	60 targets	ANG, BDNF, BMP4, BMP6, CCL1, CCL11, CCL13, CCL15 & 52 other analytes
Human Cytokine Array	SARB0042	60 targets	ADIPOQ, AGRP, ANGPT2, AREG, AXL, BTC, CCL16, CCL19 & 52 other analytes
Human Cytokine Array	SARB0043	54 targets	ALCAM, BMP5, BMP7, CCL23, CD14, CD80, CDH5, CSF1R & 46 other analytes
Human Cytokine Array	SARB0044	51 targets	ADAM17, AGER, BCAM, CD40, CFD, CGA, EDA2R, FCGR2B & 43 other analytes
Human Growth Factor Array	SARB0045	41 targets	AREG, CSF1, CSF1R, CSF2, CSF3, EGF, EGFR, FGF2 & 33 other analytes
Human HSP Array	SARB0046	9 targets	DNAJB5, GH1, HMOX1, HSP90AA1, HSPA14, HSPA4, HSPB1, HSPE1 & 1 other analyte
Human Immune Checkpoint Array	SARB0047	23 targets	CD200, CD200R1, CD27, CD274, CD276, CD28, CD40LG, CD70 & 15 other analytes
Human Immune Checkpoint Array	SARB0048	11 targets	CD200R1, CD27, CD28, CD40LG, CTLA4, HAVCR1, HAVCR2, ICOS & 3 other analytes
Human Immune Checkpoint Array	SARB0049	12 targets	CD200, CD274, CD276, CD70, CD80, CD86, ICOSLG, PDCD1LG2 & 4 other analytes
Human Inflammation Array	SARB0050	20 targets	CCL1, CCL11, CCL24, CSF2, CSF3, CXCL8, IFNG, IL1 & 12 other analytes
Human Inflammation Array	SARB0051	20 targets	CCL15, CCL2, CCL3, CCL4, CCL5, CCL8, CSF1, CXCL10 & 12 other analytes
Human Inflammation Array	SARB0052	40 targets	CCL1, CCL11, CCL15, CCL2, CCL24, CCL3, CCL4, CCL5 & 32 other analytes
Human MMP Array	SARB0056	10 targets	MMP1, MMP10, MMP13, MMP2, MMP3, MMP8, MMP9, TIMP1 & 2 other analytes
Human Neuro Discovery Array	SARB0057	20 targets	BDNF, CCL2, CCL3, CSF3, CXCL8, GDNF, HBEGF, IFNG & 12 other analytes
Human Neuro Discovery Array	SARB0058	30 targets	ADIPOQ, BDNF, CCL11, CCL17, CCL2, CCL24, CCL26, CCL4 & 22 other analytes
Human NF-kB Array	SARB0060	34 targets	ASC, BCL10, BIRC2, BIRC3, CD40, CIS4, FADD, FAS & 26 other analytes
Human Periodontal Disease Array	SARB0061	20 targets	CCL3, CRP, CXCL8, GPNMB, IFNG, IL10, IL12A, IL17A & 12 other analytes
Human Receptor Array	SARB0065	40 targets	AGER, ALCAM, CD14, CD40LG, CD80, CEACAM1, EDA2R, ENG & 32 other analytes
Human Stem Cell Array	SARB0066	15 targets	AFP, BMPR1A, BMPR1B, CD38, CDH1, CGB, GATA4, KDR & 7 other analytes
Human T Cell Response Array	SARB0067	10 targets	IFNG, IL10, IL12A, IL17A, IL2, IL4, IL5, IL9 & 2 other analytes
Human T Cell Response Array	SARB0068	20 targets	IFNG, IL10, IL12A, IL13, IL17A, IL17F, IL18, IL2 & other 12 other analytes
Human TGF beta Array	SARB0070	25 targets	ACVR1, BAMBI, BMP15, BMP2, BMP4, BMP6, BMP7, BMP8A & 17 other analytes
Human Th1/Th2/Th17 Array	SARB0071	34 targets	CCL20, CD40, CD40LG, CSF2, CSF3, IFNG, IFNL2, IL10 & 26 other analytes

# Multiplex Antibody Arrays

## MOUSE PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Mouse Angiogenesis Array	SARB0072	24 targets	CCL11, CCL2, CSF1, CSF2, CSF3, CXCL9, FASLG, FGF2 & 16 other analytes
Mouse Apoptosis Array	SARB0073	38 targets	BAD, BAX, BCL2, BCL2L11, BCL2L2, BID, BIRC3, BIRC5 & 30 other analytes
Mouse Apoptosis Signaling Array	SARB0074	17 targets	AKT1, ATM, BAD, CASP3, CASP7, CDKN1B, CHEK1, EIF2S1 & 9 other analytes
Mouse Atherosclerosis Array	SARB0075	22 targets	CCL11, CCL2, CCL20, CCL5, CD40, CSF1, CSF2, CSF3 & 14 other analytes
Mouse Chemokine Array	SARB0076	25 targets	CCL1, CCL11, CCL12, CCL17, CCL19, CCL2, CCL20, CCL21 & 17 other analytes
Mouse Cytokine Array	SARB0077	96 targets	AXL, CCL1, CCL11, CCL12, CCL17, CCL19, CCL2, CCL20 & 88 other analytes
Mouse Cytokine Array	SARB0078	22 targets	CCL12, CCL2, CCL5, CSF2, CSF3, IFNG, IL10, IL12A & 14 other analytes
Mouse Cytokine Array	SARB0079	144 targets	ACE, AGER, AREG, AXL, CCL1, CCL11, CCL12, CCL17 & 136 other analytes
Mouse Cytokine Array	SARB0080	32 targets	CCL11, CCL12, CCL17, CCL19, CCL2, CCL20, CCL21, CCL27 & 24 other analytes
Mouse Cytokine Array	SARB0081	62 targets	AXL, CCL1, CCL11, CCL12, CCL17, CCL19, CCL2, CCL20 & 54 other analytes
Mouse Cytokine Array	SARB0082	34 targets	CCL22, CXCL11, CXCL15, DPP4, FCGR2B, FGF2, FIGF, FLT1 & 26 other analytes
Mouse Cytokine Array	SARB0083	48 targets	ACE, AGER, AREG, CCL21, CD27, CD36, CD40LG, CD70 & 40 other analytes
Mouse Cytokine Array	SARB0084	97 targets	AREG, AXL, CCL11, CCL17, CCL19, CCL2, CCL20, CCL21 & 89 other analytes
Mouse Cytokine Array	SARB0085	40 targets	AHSG, BTC, C5, CCL6, CD48, CD6, CD80, CDH3 & 32 other analytes
Mouse Growth Factor Array	SARB0086	10 targets	CSF1, CSF2, CSF3, EGF, FGF2, HGF, IGF1, IGF2 & 2 other analytes
Mouse Growth Factor Array	SARB0087	20 targets	AREG, CSF1, CSF2, CSF3, EGF, FGF2, FIGF, FLT1 & 12 other analytes
Mouse Growth Factor Array	SARB0088	30 targets	AREG, CSF1, CSF2, CSF3, EGF, EGFR, FGF2, FGF7 & 22 other analytes
Mouse Immune Checkpoint Array	SARB0089	11 targets	CD27, CD40, CD40LG, CD80, CTLA4, FAS, FASLG, LGALS1 & 3 other analytes
Mouse Inflammation Array	SARB0090	40 targets	CCL1, CCL11, CCL2, CCL24, CCL25, CCL3, CCL5, CCL9 & 32 other analytes
Mouse Neuro Discovery Array	SARB0091	23 targets	AGER, CCL17, CCL2, CCL3, CSF1, CSF3, CX3CL1, CXCL1 & 15 other analytes

## RAT PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Rat AKI Array	SARB0099	7 targets	CCL2, CST3, FABP1, HAVCR1, LCN2, TIMP1, VEGFA
Rat Chemokine Array	SARB0100	15 targets	CCL11, CCL2, CCL20, CCL27, CCL3, CCL4, CX3CL1, CXCL1 & 7 other analytes
Rat Cytokine Array	SARB0101	19 targets	CCL2, CCL20, CNTF, CSF2, CX3CL1, CXCL2, CXCL3, CXCL5 & 11 other analytes
Rat Cytokine Array	SARB0102	34 targets	AGER, AGRN, CCL2, CCL20, CD86, CNTF, CSF2, CX3CL1 & 26 other analytes
Rat Growth Factor Array	SARB0103	14 targets	BDNF, CSF2, EGF, FGF2, FLT3LG, GDNF, HGF, IGF1 & 6 other analytes
Rat Immune Checkpoint Molecule Array	SARB0104	9 targets	CD27, CD80, CD86, FAS, FASLG, HAVCR1, LGALS1, LGALS3 & 1 other analyte
Rat Neuro Discovery Array	SARB0105	19 targets	BDNF, CCL11, CCL2, CNTF, CSF2, CXCL5, IFNG, IL10 & 11 other analytes

## SHEEP PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Sheep Cytokine Array	SARB0092	18 targets	CCL5, DCN, FRZB, IFNG, IL-4, IL13, IL17A, IL1A & 10 other analytes
Sheep Cytokine Array	SARB0093	10 targets	CXCL8, DCN, FRZB, IFNG, IL17A, IL21, IP-10, TNF & 2 other analyte

# Multiplex Antibody Arrays

## PORCINE PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Porcine Chemokine Array	SARB0094	12 targets	CCL4, CCL5, CXCL9, IFN-BETA, IFNB, IFNB1, IFNG, IL1A & 4 other analytes
Porcine Cytokine Array	SARB0095	48 targets	ANGPT1, CCL4, CCL5, CSF2, CXCL8, CXCL9, DCN, EPO & 40 other analytes
Porcine Interleukin Array	SARB0096	16 targets	CXCL8, IGIF, IL10, IL12A, IL13, IL15, IL17, IL17A & 8 other analytes
Porcine Inflammation Array	SARB0097	26 targets	CCL4, CCL5, CSF2, CXCL8, CXCL9, IFN-BETA, IL13, IL15 & 18 other analytes
Porcine T Cell Response Array	SARB0098	19 targets	CSF2, IFNG, IL10, IL12A, IL13, IL15, IL17, IL17A & 11 other analytes

## BOVINE PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Bovine Chemokine Array	SARB0001	9 targets	CCL2, CXCL8, CXCL9, IFNG, IL1A, IL1B, TNF
Bovine Cytokine Array	SARB0002	30 targets	ANGPT1, C1QTNF1, CCL2, CD40LG, CXCL10, CXCL9, DCN, FGF1 & 22 other analytes
Bovine Cytokine Array	SARB0003	10 targets	CCL4, CXCL10, CXCL9, IFNA1, IFNG, IL13, IL1A, IL21 & 2 other analytes
Bovine Interleukin Array	SARB0004	11 targets	IL10, IL13, IL15, IL17A, IL18, IL1A, IL1B, IL2 & 3 other analytes
Bovine Inflammation Array	SARB0005	16 targets	CCL2, CXCL10, CXCL9, IFNG, IL10, IL13, IL15, IL17A & 8 other analytes
Bovine T Cell Response Array	SARB0006	10 targets	CD40LG, IFNG, IL10, IL13, IL17A, IL1A, IL1B, IL21 & 2 other analytes

## CANINE PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Canine Chemokine Array	SARB0007	9 targets	CCL2, CCL4, CXCL1, CXCL8, IFNG, IL1B, TNF
Canine Cytokine Array	SARB0008	40 targets	C1QTNF1, CCL2, CCL4, CSF2, CXCL1, CXCL8, DCN, EGFR & 32 other analytes
Canine Interleukin Array	SARB0009	11 targets	CXCL8, IL10, IL12B, IL17A, IL1B, IL2, IL6
Canine Inflammation Array	SARB0010	20 targets	CCL2, CCL4, CSF2, CXCL8, IFNG, IL10, IL12B, IL17A & 12 other analytes
Canine T Cell Response Array	SARB0011	13 targets	CSF2, IFNG, IL10, IL12B, IL17A, IL1B, IL6, TNF

## OTHER PATHWAY ARRAYS

Product Name	Code	Target Number	Analytes
Dolphin Cytokine Array	SARB0012	10 targets	CXCL8, IFNG, IL13, IL1RA, IL1RN, IL2, IL6, IL8 & 2 other analytes
Equine Cytokine Array	SARB0013	10 targets	CCL2, CXCL8, IFNG, IL10, IL1A, IL1RA, IL1RN, IL2 & 2 other analytes
Chicken Cytokine Array	SARB0014	10 targets	CAR, CCL5, IFNG, IL10, IL12B, IL16, IL21, IL6 & 2 other analytes