

Human T-Cell & B-Cell Activation PCR Array

T-Cell Activation:

Regulators of T-Cell Activation: CD2, CD276, CD47, DPP4, CD3D, CD3E, CD3G, CD4, CD7, CD80, CD86, CD8A, CD8B, FOXP3, ICOSLG, IRF4, LAG3, LCK, MAP3K7 (TAK1), MICB, NCK1, TNFSF14, VAV1.

T-Cell Proliferation: CD28, CD3E, ICOSLG, IL1B, IL10, IL12B, IL18, NCK1, RIPK2, TNFSF14.

T-Cell Differentiation: ADA, APC, BCL2, BLM, CD1D, CD2, CD27 (TNFRSF7), CD4, CD80, CD86, EGR1, IL12B, IL15, IL2, IRF4, NOS2 (iNOS), PTPRC, SOCS1.

T-Cell Polarization: CCL3, CCR1, CCR2, CCR3, CCR4, CCR5, CD274, CD28, CD4, CD40LG (TNFSF5), CSF2 (GM-CSF), CXCR3, CXCR4, IFNG, IL12A, IL12RB1, IL12RB2, IL18R1, IL2, IL4, IL4R, IL5, TGFB1.

Regulators of Th1 and Th2 Development: CD2, CD40 (TNFRSF5), CD5, CD7, CSF2 (GM-CSF), IFNG, IL10, IL12A, IL13, IL3, IL4, IL5, TLR2, TLR4, TLR9.

Th1 & Th2 Differentiation: CD28, CD40 (TNFRSF5), CD40LG (TNFSF5), CD86, IFNG, IL12A, IL12B, IL12RB1, IL12RB2, IL18, IL18R1, IL2, IL2RA, IL4, IL4R, IL6.

B-Cell Activation:

Antigen Dependent B-cell Activation: CD28, CD4, CD40 (TNFRSF5), CD40LG (TNFSF5), CD80, FAS (TNFRSF6), FASLG (TNFSF6), IL10, IL2, IL4.

Other Genes involved in B-Cell Activation: ADA, CXCR5, ICOSLG, IL6, IL7, MS4A1, TGFB1.

B-Cell Proliferation: BCL2, CD27 (TNFRSF7), CD40 (TNFRSF5), CD81, IL10, IL7, PTPRC.

B-Cell Differentiation: ADA, AICDA, BLNK, CD27 (TNFRSF7), IL10, IL11, IL4, RAG1.

Other Immune Cell Activation:

Macrophage Activation: IL13, IL4, TLR1, TLR4, TLR6.

Neutrophil Activation: IL8.

Natural Killer Cell Activation: CD2, IL12A, IL12B, IL2.

Leukocyte Activation: CX3CL1.