

Human IL6/STAT3 Signaling Pathway PCR Array

IL6/STAT3 Signaling:

STAT3 Activators: CXCL12 (SDF1), EGFR, IL10, IL11, IL17A, IL21, IL23A, IL6.

Receptors: CD4, CD40 (TNFRSF5), CD80, CSF3R (GM-CSFR), CXCR4, FAS (TNFRSF6), IL18R1, IL1R1, IL2RA (CD25), IL6R, IL6ST (GP130), LIFR, OSMR, TNFRSF10B (DR5), TNFRSF1A, TNFRSF1B.

Upstream Signaling: AKT1, JAK2, JAK3, MAP2K1 (MEK1), MAPK1 (ERK2), MAPK14, MAPK3 (ERK1), MAPK8 (JNK1), MTOR, MYC, PIAS3, RAC1, SOCS1, SOCS3, SRC, TYK2.

Downstream Signaling: BAX, BCL2, CDC25A, CDKN1A (p21CIP1/WAF1), HGF, MET, PIM1, STAT

Target Genes: CCL2 (MCP-1), CCL5 (RANTES), CD80, CEBPD, CXCL10 (INP10), CXCL12, IL10, IL11, IL12A, IL17A, IL1B, IL21, IL6, IL8, MYC, SOCS3.

Cytokines: CCL2 (MCP-1), CCL3 (MIP-1A), CCL4 (MIP-1B), CCL5 (RANTES), CD40LG (TNFSF5), CSF1 (MCSF), CSF2 (GM-CSF), CSF3 (GCSF), CXCL10 (INP10), CXCL12 (SDF1), FASLG (TNFSF6), IL10, IL11, IL13, IL15, IL17A, IL18, IL1A, IL1B, IL2, IL21, IL22, IL23A, IL3, IL4, IL5, IL6, IL7, IL8, IL9, LIF, LTA (TNFB), OSM, TNF, TNFSF10 (TRAIL), TNFSF11.

NFkB Signaling: IKBKB, NFKB1, NFKBIA (Ikbα/MAD3), RELA, TLR4.

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