T CELL RECEPTOR SIGNALING PATHWAY Co-inhibitor Pdcd1, Ly101. Ctla4, Cd152.. Ptpn6, 70Z-S... Ptprc, B220,... Ubiquitin mediated proteolysis Cd4, L3T4, L.. Lck, Hck-3, . Cbl, 4732447. Cd3e, Al5047. yn, Al44832.. Dlg1, B13005.. Cd3g, Ctg-3,.. +p, K10784 Cd247, 49305. +p MHC / Antigen = Zap70, Srk, Cd247, 49305.. K10785 Cd3d, T3d Cell adhesion molecules Regulation of actin cytoskeleton Lcp2, Al3236. Nck1, 633058.. Cd3e, Al5047. Grap2, GRAP-. Lat, p36-38,.. Vav1, Vav, v. Calcium signaling pathway Itk, Emt, Tc.. Grb2, AA4081. Anergy II2, II-2 Ppp3ca, 2900. Nfatc1, 2210.. Plcg1, Al894. Ca²⁺ IP3 DNA +p II4, BSF-1, . Proliferation Differentiation II5, II-5 Immuno response Fos, D12Rfj1... +p II10, CSIF, . Sos1, 443040. Raf1, 643040.. Hras, H-ras,.. **₱** DNA Ifng, IFN-g,.. +p MAPK signaling Csf2, Csfgm, pathway Tnf, DIF, TN... Cdk4, Crk3 **+p** Map2k7, 5930... Map3k7, B430.. NF-κ B signaling pathway Mapk9, Al851. Card11, 0610.. Prkcq, A1300. Cd40lg, CD15. DAG +p Nfkbia, Al46... Bcl10, Al132.. Ikbkb, Al132.. Malt1, A6300.. PI3K-Akt signaling pathway) Ikbkg, 11100... Co-stimulator Chuk, Al2566.. Icos, AILIM,... Pik3ca, 6330... +p Map3k8, Cot,... +p Map3k14, Nik... Akt1, Akt, P.. PIP3 Survival /+p Pdpk1, Pdk1 ∇ +p Grb2, AA4081.. Gsk3b, 73304. Ubiquitin mediated proteolysis 04660 4/12/16 (c) Kanehisa Laboratories