



Human T-Cell Anergy/Immune Tolerance Primer Library

Catalog No: HTAIT-1
Supplier: RealTimePrimers
Lot No: XXXXX
Supplied as: solid
Stability: store at -20°C

Description

Contains 88 primer sets directed against T-cell anergy and immune tolerance genes and 8 housekeeping genes. Provided in a 96-well microplate (20 ul - 10 uM). Perform up to 100 PCR arrays (based on 20 ul assay volume per reaction). Just add cDNA template and SYBR green master mix.

Gene List:

- BTLA B and T lymphocyte associated
- CBLB Cbl proto-oncogene B, E3 ubiquitin protein ligase
- CD27 CD27 molecule
- CD274 CD274 molecule
- CD28 CD28 molecule
- CD3E CD3e molecule, epsilon (CD3-TCR complex)
- CD40 CD40 molecule, TNF receptor superfamily member 5
- CD40LG CD40 ligand
- CD80 CD80 molecule
- CD86 CD86 molecule
- CDK2 cyclin-dependent kinase 2
- CDK4 cyclin-dependent kinase 4
- CDKN1B cyclin-dependent kinase inhibitor 1B (p27, Kip1)
- CREB1 cAMP responsive element binding protein 1
- CREM cAMP responsive element modulator
- CSF1 colony stimulating factor 1 (macrophage)
- CSF2 colony stimulating factor 2 (granulocyte-macrophage)
- CTLA4 cytotoxic T-lymphocyte-associated protein 4
- CXCR3 chemokine (C-X-C motif) receptor 3
- CXCR4 chemokine (C-X-C motif) receptor 4
- DGKA diacylglycerol kinase, alpha 80kDa
- DGKG diacylglycerol kinase, gamma 90kDa
- DGKZ diacylglycerol kinase, zeta
- EGR1 early growth response 1
- EGR2 early growth response 2
- EGR3 early growth response 3
- EOMES eomesodermin
- FAS Fas cell surface death receptor
- FASLG Fas ligand (TNF superfamily, member 6)
- FOS FBJ murine osteosarcoma viral oncogene homolog
- FOXP3 forkhead box P3
- GATA3 GATA binding protein 3
- GRB2 growth factor receptor-bound protein 2
- GZMB granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)
- HACE1 HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1
- HDAC1 histone deacetylase 1
- HDAC9 histone deacetylase 9
- ICAM1 intercellular adhesion molecule 1
- ICOS inducible T-cell co-stimulator
- IFNG interferon, gamma
- IL10 interleukin 10
- IL13 interleukin 13
- IL15 interleukin 15
- IL15RA interleukin 15 receptor, alpha
- IL17A interleukin 17A
- IL1A interleukin 1, alpha
- IL1R1 interleukin 1 receptor, type I
- IL1R2 interleukin 1 receptor, type II
- IL2 interleukin 2
- IL21 interleukin 21
- IL21R interleukin 21 receptor
- IL2RA interleukin 2 receptor, alpha
- IL2RB interleukin 2 receptor, beta
- IL3 interleukin 3
- IL4 interleukin 4
- IL5 interleukin 5
- IL6 interleukin 6
- IL7R interleukin 7 receptor
- IRF4 interferon regulatory factor 4
- ITCH itchy E3 ubiquitin protein ligase
- JAK1 Janus kinase 1
- JAK3 Janus kinase 3
- JUN jun proto-oncogene
- LGALS3 lectin, galactoside-binding, soluble, 3
- LTA lymphotoxin alpha
- MEF2A myocyte enhancer factor 2A
- NFATC1 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1



- NFATC2 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
- NFATC3 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
- NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
- NOTCH1 notch 1
- PDCD1 programmed cell death 1
- PLCG1 phospholipase C, gamma 1
- PRKCG protein kinase C, gamma
- PTGER2 prostaglandin E receptor 2 (subtype EP2), 53kDa
- PTGS2 prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
- RAF1 Raf-1 proto-oncogene, serine/threonine kinase
- RAPGEF3 Rap guanine nucleotide exchange factor (GEF) 3
- RASGRP1 RAS guanyl releasing protein 1 (calcium and DAG- regulated)
- RNF128 ring finger protein 128, E3 ubiquitin protein ligase
- SELL selectin L
- SOS1 son of sevenless homolog 1 (Drosophila)
- STAT3 signal transducer and activator of transcription 3 (acute-phase response factor)
- TGFBI transforming growth factor, beta 1
- TNFRSF10A tumor necrosis factor receptor superfamily, member 10a
- TNFSF10 tumor necrosis factor (ligand) superfamily, member 10
- TRAF6 TNF receptor-associated factor 6, E3 ubiquitin protein ligase
- ZAP70 zeta-chain (TCR) associated protein kinase 70kDa
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPDH Glyceraldehyde-3-phosphate dehydrogenase
- GUSB Glucuronidase, beta
- HPRT1 Hypoxanthine phosphoribosyltransferase 1
- PGK1 Phosphoglycerate kinase 1
- PPIA Peptidylprolyl isomerase A
- RPL13A Ribosomal protein L13a

Usage

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