



Human T-Cell Development and Differentiation Primer Library

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

Description

Contains 88 primer sets directed against T-cell development and differentiation 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:

- ATF5 activating transcription factor 5
- BACH2 BTB and CNC homology 1, basic leucine zipper transcription factor 2
- BATF basic leucine zipper transcription factor, ATF-like
- BCL11B B-cell CLL/lymphoma 11B (zinc finger protein)
- BCL6 B-cell CLL/lymphoma 6
- BTK Bruton agammaglobulinemia tyrosine kinase
- CBFA2T3 core-binding factor, runt domain, alpha subunit 2; translocated to, 3
- CCR7 chemokine (C-C motif) receptor 7
- CD247 CD247 molecule
- CD27 CD27 molecule
- CD3D CD3d molecule, delta (CD3-TCR complex)
- CD3E CD3e molecule, epsilon (CD3-TCR complex)
- CD3G CD3g molecule, gamma (CD3-TCR complex)
- CD4 CD4 molecule
- CD44 CD44 molecule (Indian blood group)
- CD69 CD69 molecule
- CD8A CD8a molecule
- CD8B CD8b molecule
- CSF1R colony stimulating factor 1 receptor
- DCLRE1C DNA cross-link repair 1C
- EOMES eomesodermin
- EZH2 enhancer of zeste 2 polycomb repressive complex 2 subunit
- FOXP3 forkhead box P3
- GATA3 GATA binding protein 3
- GFI1 growth factor independent 1 transcription repressor
- IFNG interferon, gamma
- IKZF1 IKAROS family zinc finger 1 (Ikaros)
- IL15 interleukin 15
- IL15RA interleukin 15 receptor, alpha
- IL17A interleukin 17A
- IL2 interleukin 2
- IL21 interleukin 21
- IL21R interleukin 21 receptor
- IL2RA interleukin 2 receptor, alpha
- IL2RB interleukin 2 receptor, beta
- IL2RG interleukin 2 receptor, gamma
- IL4R interleukin 4 receptor
- IL7 interleukin 7
- IL7R interleukin 7 receptor
- IL9 interleukin 9
- IL9R interleukin 9 receptor
- IRF4 interferon regulatory factor 4
- ITK IL2-inducible T-cell kinase
- LAT linker for activation of T cells
- LCK LCK proto-oncogene, Src family tyrosine kinase
- LCP2 lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)
- LIG4 ligase IV, DNA, ATP-dependent
- LYN LYN proto-oncogene, Src family tyrosine kinase
- MAPK1 mitogen-activated protein kinase 1
- MAPK3 mitogen-activated protein kinase 3
- MAPK8 mitogen-activated protein kinase 8
- MAPK9 mitogen-activated protein kinase 9
- MYB v-myb avian myeloblastosis viral oncogene homolog
- NFATC2 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
- NFE2 nuclear factor, erythroid 2
- NOTCH1 notch 1
- NOTCH3 notch 3
- NR4A2 nuclear receptor subfamily 4, group A, member 2
- PHF7 PHD finger protein 7
- PLCG1 phospholipase C, gamma 1
- POU2F1 POU class 2 homeobox 1
- POU5F1 POU class 5 homeobox 1



- PRDM1 PR domain containing 1, with ZNF domain
- PRKDC protein kinase, DNA-activated, catalytic polypeptide
- PTCRA pre T-cell antigen receptor alpha
- RAG1 recombination activating gene 1
- RAG2 recombination activating gene 2
- RASGRP1 RAS guanyl releasing protein 1 (calcium and DAG- regulated)
- REL v-rel avian reticuloendotheliosis viral oncogene homolog
- RELA v-rel avian reticuloendotheliosis viral oncogene homolog A
- RUNX1 runt-related transcription factor 1
- RUNX3 runt-related transcription factor 3
- SH2D1A SH2 domain containing 1A
- SOS1 son of sevenless homolog 1 (Drosophila)
- STAT1 signal transducer and activator of transcription 1, 91kDa
- STAT3 signal transducer and activator of transcription 3 (acute-phase response factor)
- STAT5A signal transducer and activator of transcription 5A
- STAT5B signal transducer and activator of transcription 5B
- SYK spleen tyrosine kinase
- TBX21 T-box 21
- TCF7 transcription factor 7 (T-cell specific, HMG-box)
- TEC Tec protein tyrosine kinase
- THY1 Thy-1 cell surface antigen
- TOX thymocyte selection-associated high mobility group box
- ZAP70 zeta-chain (TCR) associated protein kinase 70kDa
- ZBTB16 zinc finger and BTB domain containing 16
- ZBTB25 zinc finger and BTB domain containing 25
- ZBTB7B zinc finger and BTB domain containing 7B
- 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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