



Human Tumor Immunity Primer Library

Catalog No: HTIMU-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:

- AKT1 v-akt murine thymoma viral oncogene homolog 1
- BCL2 B-cell CLL/lymphoma 2
- BTLA B and T lymphocyte associated
- CCL12 chemokine (C-C motif) ligand 12
- CCL19 chemokine (C-C motif) ligand 19
- CCL2 chemokine (C-C motif) ligand 2
- CCL21 chemokine (C-C motif) ligand 21
- CCL22 chemokine (C-C motif) ligand 22
- CCL28 chemokine (C-C motif) ligand 28
- CCR7 chemokine (C-C motif) receptor 7
- CD14 CD14 molecule
- CD163 CD163 molecule
- CD274 CD274 molecule
- CD28 CD28 molecule
- CD4 CD4 molecule
- CD40LG CD40 ligand
- CD47 CD47 molecule
- CD68 CD68 molecule
- CD80 CD80 molecule
- CD86 CD86 molecule
- CD8A CD8a molecule
- CSF1 colony stimulating factor 1 (macrophage)
- CSF1R colony stimulating factor 1 receptor
- CSF2 colony stimulating factor 2 (granulocyte-macrophage)
- CSRP3 cysteine and glycine-rich protein 3 (cardiac LIM protein)
- CTLA4 cytotoxic T-lymphocyte-associated protein 4
- CX3CL1 chemokine (C-X3-C motif) ligand 1
- CXCL1 chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)
- CXCL10 chemokine (C-X-C motif) ligand 10
- CXCL11 chemokine (C-X-C motif) ligand 11
- CXCL12 chemokine (C-X-C motif) ligand 12
- CXCL13 chemokine (C-X-C motif) ligand 13
- CXCL5 chemokine (C-X-C motif) ligand 5
- CXCL9 chemokine (C-X-C motif) ligand 9
- CXCR3 chemokine (C-X-C motif) receptor 3
- EGR2 early growth response 2
- EIF2AK4 eukaryotic translation initiation factor 2 alpha kinase 4
- FAS Fas cell surface death receptor
- FASLG Fas ligand (TNF superfamily, member 6)
- FOXP3 forkhead box P3
- FUT4 fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)
- FYN FYN proto-oncogene, Src family tyrosine kinase
- HAVCR2 hepatitis A virus cellular receptor 2
- HIF1A hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
- HLA-DRA major histocompatibility complex, class II, DR alpha
- HMGB1 high mobility group box 1
- ICAM1 intercellular adhesion molecule 1
- ICOS inducible T-cell co-stimulator
- IDO1 indoleamine 2,3-dioxygenase 1
- IFNG interferon, gamma
- IL10 interleukin 10
- IL12A interleukin 12A
- IL12B interleukin 12B
- IL13 interleukin 13
- IL16 interleukin 16
- IL18R1 interleukin 18 receptor 1
- IL1A interleukin 1, alpha
- IL1B interleukin 1, beta
- IL2 interleukin 2
- IL4 interleukin 4
- IL6 interleukin 6
- IL8 interleukin 8
- JAK3 Janus kinase 3
- LAG3 lymphocyte-activation gene 3
- MIF macrophage migration inhibitory factor (glycosylation-inhibiting factor)
- MS4A1 membrane-spanning 4-domains, subfamily A, member 1



- NFATC2 nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
- NFkB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1
- NLRC5 NLR family, CARD domain containing 5
- NOS2 nitric oxide synthase 2, inducible
- NT5E 5'-nucleotidase, ecto (CD73)
- PDCD1LG2 programmed cell death 1 ligand 2
- PSMB9 proteasome (prosome, macropain) subunit, beta type, 9
- PTGS2 prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)
- REL v-rel avian reticuloendotheliosis viral oncogene homolog
- RELA v-rel avian reticuloendotheliosis viral oncogene homolog A
- S100A9 S100 calcium binding protein A9
- STAT1 signal transducer and activator of transcription 1, 91kDa
- STAT3 signal transducer and activator of transcription 3 (acute-phase response factor)
- TAP1 transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)
- TAP2 transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)
- TGFb1 transforming growth factor, beta 1
- TIGIT T cell immunoreceptor with Ig and ITIM domains
- TLR4 toll-like receptor 4
- TNF tumor necrosis factor
- TREM1 triggering receptor expressed on myeloid cells 1
- TYROBP TYRO protein tyrosine kinase binding protein
- VEGFA vascular endothelial growth factor A
- 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

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.