



Human Antigen Processing and Presentation Primer Library

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

Description

Contains 88 primer sets directed against antigen processing and presentation genes and 8 housekeeping gene primer sets. 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:

- ADRM1 adhesion regulating molecule 1
- CALR calreticulin
- CANX calnexin
- CD1A CD1a molecule
- CD1B CD1b molecule
- CD1C CD1c molecule
- CD1D CD1d molecule
- CD209 CD209 molecule
- CD4 CD4 molecule
- CD74 CD74 molecule, major histocompatibility complex, class II invariant chain
- CD8A CD8a molecule
- CD8B CD8b molecule
- CIITA class II, major histocompatibility complex, transactivator
- CLEC4M C-type lectin domain family 4, member M
- CREB1 cAMP responsive element binding protein 1
- CTSB cathepsin B
- CTSL1 cathepsin L1
- CTSS cathepsin S
- ERAP1 endoplasmic reticulum aminopeptidase 1
- ERAP2 endoplasmic reticulum aminopeptidase 2
- FCGRT Fc fragment of IgG, receptor, transporter, alpha
- HLA-A major histocompatibility complex, class I, A
- HLA-B major histocompatibility complex, class I, B
- HLA-C major histocompatibility complex, class I, C
- HLA-DOA major histocompatibility complex, class II, DO alpha
- HLA-DQA1 major histocompatibility complex, class II, DQ alpha 1
- HLA-DQB1 major histocompatibility complex, class II, DQ beta 1
- HLA-DRA major histocompatibility complex, class II, DR alpha
- HLA-DRB1 major histocompatibility complex, class II, DR beta
- HLA-DRB3 major histocompatibility complex, class II, DR beta 3
- HLA-E major histocompatibility complex, class I, E
- HLA-G major histocompatibility complex, class I, G
- HSP90AB1 heat shock protein 90kDa alpha (cytosolic), class B member 1
- HSPA1A heat shock 70kDa protein 1A
- HSPA1B heat shock 70kDa protein 1B
- HSPA1L heat shock 70kDa protein 1-like
- HSPA2 heat shock 70kDa protein 2
- HSPA5 heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
- HSPA6 heat shock 70kDa protein 6 (HSP70B')
- HSPA8 heat shock 70kDa protein 8
- ICAM1 intercellular adhesion molecule 1
- IFNA1 interferon, alpha 1
- IFNA10 interferon, alpha 10
- IFNA13 interferon, alpha 13
- IFNA14 interferon, alpha 14
- IFNA16 interferon, alpha 16
- IFNA17 interferon, alpha 17
- IFNA2 interferon, alpha 2
- IFNA21 interferon, alpha 21
- IFNA4 interferon, alpha 4
- IFNA5 interferon, alpha 5
- IFNA6 interferon, alpha 6
- IFNA7 interferon, alpha 7
- IFNA8 interferon, alpha 8
- IFNG interferon, gamma
- KIR2DL4 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4
- KLRC1 killer cell lectin-like receptor subfamily C, member 1
- KLRC2 killer cell lectin-like receptor subfamily C, member 2



- KLRD1 killer cell lectin-like receptor subfamily D, member 1
- LGMN legumain
- LTA lymphotoxin alpha (TNF superfamily, member 1)
- MICA In multiple Geneids
- MICB MHC class I polypeptide-related sequence B
- MR1 major histocompatibility complex, class I-related
- NFYA nuclear transcription factor Y, alpha
- PDIA2 protein disulfide isomerase family A, member 2
- PSMB8 proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)
- PSMC2 proteasome (prosome, macropain) 26S subunit, ATPase, 2
- PSMC3 proteasome (prosome, macropain) 26S subunit, ATPase, 3
- PSMC4 proteasome (prosome, macropain) 26S subunit, ATPase, 4
- PSMC5 proteasome (prosome, macropain) 26S subunit, ATPase, 5
- PSMD1 proteasome (prosome, macropain) 26S subunit, non-ATPase, 1
- PSMD11 proteasome (prosome, macropain) 26S subunit, non-ATPase, 11
- PSMD4 proteasome (prosome, macropain) 26S subunit, non-ATPase, 4
- PSMD6 proteasome (prosome, macropain) 26S subunit, non-ATPase, 6
- PSME1 proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
- PSME2 proteasome (prosome, macropain) activator subunit 2 (PA28 beta)
- PSME3 proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)
- RELB v-rel reticuloendotheliosis viral oncogene homolog B
- SHFM1 Split Hand/Foot Malformation (Ectrodactyly) Type 1
- SLC10A2 solute carrier family 10 (sodium/bile acid cotransporter family), member 2
- TAP1 transporter 1, ATP-binding cassette, subfamily B (MDR/TAP)
- TAP2 transporter 2, ATP-binding cassette, subfamily B (MDR/TAP)
- TAPBP TAP binding protein (tapasin)
- TAPBPL TAP binding protein-like
- THBS1 thrombospondin 1
- UBR1 Ubiquitin Protein Ligase E3 Component N-Recognin 1
- ULBP1 UL16 Binding Protein 1
- ACTB Actin, beta
- B2M Beta-2-microglobulin
- GAPD Glyceraldehyde 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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