

Gene	Adhesion	Apoptosis	B-Cell Function	Cell Cycle	Cell Signaling	Chemokine	Complement	Cytokine	Housekeeper	Immune Function	Interleukin Signaling	Lineage Marker	NK Cell Function	Proteasome	T-Cell Function	Transporter	Toll-Like Receptors	Tumor Necrosis Factor	Other
A2M															X				
ABCB1															X				
ABCB11															X				
ABCC2															X				
ABCG2															X				
ABL1			X																
ABL2			X																
ACTB								X											
ADA									X										
ADAM17							X												
ADGRE5	X																		
ADORA2A				X															
AICDA									X										
AKT3				X															
ALCAM	X																		
ALOX5									X										
ANXA1															X				
APAF1		X																	
APP									X										
ATF1			X																
ATF2			X																
ATG12															X				
ATG16L1															X				
ATG5															X				
ATG7															X				
ATM			X																
ATP5F1								X											
AXL			X																
BATF			X																
BAX			X																
BCL10	X																		
BCL2	X																		
BCL2L1	X																		
BCL6				X															
BID	X																		
BIRC5	X																		
BLNK		X																	
BMI1																		X	
BTK		X																	
BTLA		X												X					
C1QA						X													
C3						X													
C3AR1						X													
C5						X													
CAMP								X											
CARD11	X																		
CASP1	X																		
CASP10	X																		
CASP3	X																		
CASP8	X																		
CCL1					X														
CCL11					X														
CCL13					X														
CCL14					X														
CCL15					X														
CCL16					X														
CCL17					X														
CCL18					X														
CCL19					X														
CCL2					X														
CCL20					X														
CCL21					X														
CCL22					X														
CCL23					X														
CCL24					X														
CCL25					X														
CCL26					X														
CCL27					X														
CCL28					X														
CCL3					X														
CCL4					X														
CCL5					X														
CCL7					X														
CCL8					X														
CCND1			X																
CCND3			X																
CCR1					X														
CCR2					X														
CCR3					X														

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CCR4					X														
CCR5					X														
CCR6					X														
CCR7					X														
CCR9					X														
CCR2L2					X														
CD14								X			X								
CD160											X								
CD19			X								X								
CD1A											X		X						
CD2											X		X						
CD200											X								X
CD209											X								
CD22			X								X								
CD24			X								X								
CD244											X	X							
CD27											X		X						
CD274											X		X						
CD276											X		X						
CD28											X		X						
CD33											X								
CD34											X								
CD38											X								
CD3D											X		X						
CD4											X		X						
CD40											X		X						
CD40LG											X		X						
CD44											X								
CD47											X								
CD5											X								
CD52											X								
CD55						X					X								
CD59						X					X								
CD63											X								
CD68											X								
CD69											X		X						
CD70											X		X						
CD74											X								
CD79A			X								X								
CD80											X		X						
CD83											X								
CD86											X		X						
CD8A											X		X						
CD99											X		X						
CDH1	X																		
CDH5	X																		
CDK1			X																
CDKN1A			X																
CDKN1B			X																
CEBPB				X															
CES1																			X
CHUK													X						
CIITA				X															
CKLF					X														
CLEC4A	X																		
CLEC4C	X																		
CLEC5A	X																		
CLEC6A	X																		
CLEC7A	X																		
CMKLR1					X														
COL3A1																			X
CREB1				X															
CREB5				X															
CREBBP				X															
CRP															X				
CSF1								X											
CSF1R								X											
CSF2								X											
CSF3								X											
CSF3R								X											
CTLA4														X					
CTRC																			X
CTSH														X					
CTSL														X					
CTSS														X					
CX3CL1					X														
CX3CR1					X														
CXCL1					X														
CXCL10					X														

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CXCL11					X														
CXCL12					X														
CXCL13					X														
CXCL14					X														
CXCL16					X														
CXCL2					X														
CXCL3					X														
CXCL5					X														
CXCL6					X														
CXCL8					X														
CXCL9					X														
CXCR1					X														
CXCR2					X														
CXCR3					X														
CXCR4					X														
CXCR5					X														
CXCR6					X														
CYBB									X										
CYLD													X						
DDX5								X											
DDX58		X																	
DEFB1									X										
DPP4											X				X				
DST	X																		
DUSP4				X															
DUSP6				X															
EBF4		X																	
EEF1G								X											
EGR1			X																
EIF2A								X											
ELK1				X															
ENG							X												
ENTPD1											X								
EOMES															X				
EP300				X															
EPCAM	X																		
ETS1				X															
FADD		X																X	
FAS			X																
FASLG			X																
FCER2			X								X								
FCGR1A											X								
FCGR1B											X								
FCGR3A											X	X							
FCMR									X										
FLT3				X															
FLT3LG							X												
FN1	X																		
FOS				X															
FOXP3											X				X				
FYN																X			
GAPDH								X											
GATA3				X											X				
GNLY									X						X				
GPI							X												
GZMA									X										
GZMB									X										
GZMH									X										
GZMK									X										
GZMM									X										
HAVCR2											X								
HES1				X															
HES5				X															
HEY1				X															
HEY2				X															
HEYL				X															
HLA-A									X										
HLA-B									X										
HLA-DRA									X										
HLA-E									X										
HMGB1				X															
HMOX1								X											
HRAS				X															
HSPA1A								X											
IBSP	X																		
ICAM1	X																		
ICAM2	X																		
ICAM3	X																		
ICAM4	X																		

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ICOS														X					
ICOSLG														X					
IDO1								X											
IDO2								X											
IFI16																			
IFI27								X											
IFIT2								X											
IFNA-Family								X											
IFNA2								X											
IFNAR1								X											
IFNB1								X											
IFNG								X											
IFNGR1								X											
IGF1R				X															
IGF2R				X															
IKBKB		X																	
IKBKG		X																	
IKZF1				X															
IKZF2				X															
IKZF3				X															
IL10										X									
IL10RA										X									
IL10RB										X									
IL11										X									
IL11RA										X									
IL12A										X									
IL12B										X									
IL12RB2										X									
IL13										X									
IL13RA2										X									
IL15										X									
IL16										X									
IL17A										X									
IL17F										X									
IL18										X									
IL18BP										X									
IL19										X									
IL1A										X									
IL1B										X									
IL1R1										X									
IL1R2										X									
IL1RAP										X									
IL1RN										X									
IL2										X									
IL20										X									
IL20RA										X									
IL20RB										X									
IL21										X									
IL22										X									
IL22RA1										X									
IL22RA2										X									
IL23A										X									
IL23R										X									
IL24										X									
IL27										X									
IL2RA										X									
IL2RB										X									
IL2RG										X									
IL3										X									
IL32										X									
IL33										X									
IL3RA										X									
IL4										X									
IL4R										X									
IL5										X									
IL5RA										X									
IL6										X									
IL6R										X									
IL6ST										X									
IL7										X									
IL7R										X									
IL9										X									
IRAK1										X									
IRAK2										X									
IRF1								X											
IRF2								X											
IRF3								X											
IRF4								X											
IRF5								X											

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IRF7							X												
IRF8							X												
IRGM																			X
ISG15													X						
ITGA1	X																		
ITGA2	X																		
ITGA4	X																		
ITGA5	X																		
ITGA6	X																		
ITGAL	X																		
ITGAM	X																		
ITGB1	X																		
ITGB2	X																		
ITGB3	X																		
ITGB4	X																		
JAK1				X															
JAK2				X															
JAK3				X															
KIR2DS1												X							
KIR3DL3												X							
KIT				X															
KLRB1												X							
KLRD1												X							
KLRG1												X							
L1CAM	X																		
LAG3														X					
LAT														X					
LGALS1	X																		
LGALS3	X																		
LGALS9	X																		
LIF								X											
LTA								X											
LTB								X											
LTBP1								X											
LTBR								X											
LY96																X			
LYN				X							X								
MAF				X															
MAGEA1																			X
MAGEA3																			X
MAGEA4																			X
MAGEB2																			X
MAGEC1																			X
MAGEC2																			X
MAP2K1				X															
MAP2K2				X															
MAP2K4				X															
MAP2K7				X															
MAP3K1				X															
MAP3K5				X															
MAPK1				X															
MAPK11				X															
MAPK14				X															
MAPK3				X															
MAPK8				X															
MAPKAPK2				X															
MBL2	X																		
MEF2C				X															
MERTK															X				
MIF								X											
MME											X								
MMP12																			X
MMP9																			X
MNDA								X											
MS4A1			X																
MSH2																			X
MSH3																			X
MSH4																			X
MSH5																			X
MSH6																			X
MSR1																			X
MST1R						X													
MTDH				X															
MUC1	X			X															
MX1								X											
MYC				X															
MYD88																X			
NCAM1	X																		
NCL				X															

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NFATC1				X										X					
NFATC3				X										X					
NFATC4				X										X					
NFKB1				X															
NFKB2				X															
NFKBIA				X															
NLRP3	X																		
NOD1	X																		
NOD2	X																		
NOTCH1				X															
NRP1						X													
NT5E															X				
OAZ1								X											
OSM							X												
PAX5		X																	
PDCD1														X					
PDCD1LG2														X					
PDGFC							X												
PDGFRB							X												
PECAM1															X				
PIK3CD				X															
PIK3CG				X															
PLA2G7								X											
PLAU																			X
PLAUR																			X
POU2AF1											X								
POU2F2				X															
PPARG																			X
PPBP					X														
PPIA								X											
PRAME																			X
PRF1									X										
PRKCD				X															
PRKCE				X															
PSMD7													X						
PTEN				X															
PTGS2							X												
PTPRC														X					
PVR	X																		
PYCARD				X															
RAG1		X												X					
RBX1													X						
REL				X															
RELA				X															
RELB				X															
RIPK2				X															
RNF149													X						
RNF4				X															
RORC				X															
RPL38								X											
RPL6								X											
RPS7								X											
RUNX1				X															
RUNX3				X															
S100B				X															
SELE	X																		
SEMA4D				X															
SERPINA1																			X
SERPINB2																			X
SERPINE1																			X
SLAMF1		X												X					
SLAMF6		X												X					
SLAMF7		X												X					
SLC11A1															X				
SLC25A3															X				
SMAD2				X															
SMAD3				X															
SOC51				X			X												
SOC53				X			X												
SOD1								X											
SPI1		X																	
SPINK5				X															
SPN		X												X					
SPP1							X												
SSX1	X		X																
STAT1				X															
STAT2				X															
STAT3				X															
STAT4				X															

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STAT5B				X															
STAT6				X															
SUSD3														X					
SVIL	X																		
SYK				X															
TAL1				X															
TAP1									X						X				
TAP2									X						X				
TBK1			X																
TBP								X											
TBX21			X								X								
TCF7				X										X					
TCL1B														X					
TFRC											X								X
TGFB1								X											
TGFB2							X												
THBS1	X																		
THY1	X																		
TICAM1																	X		
TIMP1		X		X															
TIRAP																	X		
TLR1																	X		
TLR2																	X		
TLR3																	X		
TLR4																	X		
TLR5																	X		
TLR6																	X		
TLR7																	X		
TLR8																	X		
TLR9																	X		
TNF								X										X	
TNFAIP3								X										X	
TNFRSF10B								X										X	
TNFRSF10C								X										X	
TNFRSF11A								X										X	
TNFRSF11B								X										X	
TNFRSF12A								X										X	
TNFRSF13B								X										X	
TNFRSF13C								X										X	
TNFRSF14								X										X	
TNFRSF17								X										X	
TNFRSF18								X										X	
TNFRSF1A								X										X	
TNFRSF1B								X										X	
TNFRSF4								X										X	
TNFRSF8								X										X	
TNFRSF9								X										X	
TNFSF10								X										X	
TNFSF11								X										X	
TNFSF12								X										X	
TNFSF13								X										X	
TNFSF13B								X										X	
TNFSF14								X										X	
TNFSF15								X										X	
TNFSF18								X										X	
TNFSF4								X										X	
TNFSF8								X										X	
TNFSF9								X										X	
TOLLIP																	X		
TP53	X		X																
TRAF2	X																	X	
TRAF3	X																	X	
TRAF6	X																	X	
TREM1									X										
TREM2									X										
TTK			X																
TXNIP									X										
TYK2				X															
UBE2T														X					
UBE3A														X					
VEGFA								X											
VEGFC								X											
XCL2					X														
XCR1					X														
YWHAZ								X											