

Supplementary table 1: chemokines,  
immunostimulators, MHC proteins,  
and receptors in TISIDB website

Genes	Type	Alisa
CCL1	chemokine	CCL1
CCL2	chemokine	CCL2
CCL3	chemokine	CCL3
CCL4	chemokine	CCL4
CCL5	chemokine	CCL5
CCL7	chemokine	CCL7
CCL8	chemokine	CCL8
CCL11	chemokine	CCL11
CCL13	chemokine	CCL13
CCL14	chemokine	CCL14
CCL15	chemokine	CCL15
CCL16	chemokine	CCL16
CCL17	chemokine	CCL17
CCL18	chemokine	CCL18
CCL19	chemokine	CCL19
CCL20	chemokine	CCL20
CCL21	chemokine	CCL21
CCL22	chemokine	CCL22
CCL23	chemokine	CCL23
CCL24	chemokine	CCL24
CCL25	chemokine	CCL25
CCL26	chemokine	CCL26
CCL27	chemokine	CCL27
CCL28	chemokine	CCL28
CX3CL1	chemokine	CX3CL1
CXCL1	chemokine	CXCL1
CXCL2	chemokine	CXCL2
CXCL3	chemokine	CXCL3
CXCL5	chemokine	CXCL5
CXCL6	chemokine	CXCL6
CXCL8	chemokine	CXCL8
CXCL9	chemokine	CXCL9
CXCL10	chemokine	CXCL10
CXCL11	chemokine	CXCL11
CXCL12	chemokine	CXCL12
CXCL13	chemokine	CXCL13
CXCL14	chemokine	CXCL14
CXCL16	chemokine	CXCL16
CXCL17	chemokine	CXCL17

XCL1	chemokine	XCL1
XCL2	chemokine	XCL2
CCR1	receptor	CCR1
CCR2	receptor	CCR2
CCR3	receptor	CCR3
CCR4	receptor	CCR4
CCR5	receptor	CCR5
CCR6	receptor	CCR6
CCR7	receptor	CCR7
CCR8	receptor	CCR8
CCR9	receptor	CCR9
CCR10	receptor	CCR10
CXCR1	receptor	CXCR1
CXCR2	receptor	CXCR2
CXCR3	receptor	CXCR3
CXCR4	receptor	CXCR4
CXCR5	receptor	CXCR5
CXCR6	receptor	CXCR6
XCR1	receptor	XCR1
CX3CR1	receptor	CX3CR1
B2M	MHC	B2M
HLA-A	MHC	HLA-A
HLA-B	MHC	HLA-B
HLA-C	MHC	HLA-C
HLA-DMA	MHC	HLA-DMA
HLA-DMB	MHC	HLA-DMB
HLA-DOA	MHC	HLA-DOA
HLA-DOB	MHC	HLA-DOB
HLA-DPA1	MHC	HLA-DPA1
HLA-DPB1	MHC	HLA-DPB1
HLA-DQA1	MHC	HLA-DQA1
HLA-DQA2	MHC	HLA-DQA2
HLA-DQB1	MHC	HLA-DQB1
HLA-DRA	MHC	HLA-DRA
HLA-DRB1	MHC	HLA-DRB1
HLA-E	MHC	HLA-E
HLA-F	MHC	HLA-F
HLA-G	MHC	HLA-G
TAP1	MHC	TAP1
TAP2	MHC	TAP2
TAPBP	MHC	TAPBP
BTNL2	Immunostin	BTNL2
VISTA	Immunostin	VSIR
CD27	Immunostin	CD27
B7-H3	Immunostin	CD276
CD28	Immunostin	CD28
CD40	Immunostin	CD40
CD40LG	Immunostin	CD40LG
CD48	Immunostin	CD48
CD70	Immunostin	CD70
B7.1	Immunostin	CD80

B7.2	Immunostin CD86
CD39	Immunostin ENTPD1
B7-H7	Immunostin HHLA2
ICOS	Immunostin ICOS
B7-H2	Immunostin ICOSLG
CD25	Immunostin IL2RA
IL6	Immunostin IL6
IL6R	Immunostin IL6R
NKG2A	Immunostin KLRC1
NKG2D	Immunostin KLRK1
LTA	Immunostin LTA
MICB	Immunostin MICB
CD73	Immunostin NT5E
CD155	Immunostin PVR
RAET1E	Immunostin RAET1E
STING	Immunostin TMEM173
TMIGD2	Immunostin TMIGD2
CD267	Immunostin TNFRSF13B
BAFF-R	Immunostin TNFRSF13C
HVEM	Immunostin TNFRSF14
BCMA	Immunostin TNFRSF17
GITR	Immunostin TNFRSF18
DR3	Immunostin TNFRSF25
OX40	Immunostin TNFRSF4
CD30	Immunostin TNFRSF8
4-1BB	Immunostin TNFRSF9
APRIL	Immunostin TNFSF13
BAFF	Immunostin TNFSF13B
LIGHT	Immunostin TNFSF14
TL1A	Immunostin TNFSF15
GITRL	Immunostin TNFSF18
OX-40L	Immunostin TNFSF4
4-1BB-L	Immunostin TNFSF9
ULBP1	Immunostin ULBP1