

Supplementary Table 1 | **IgSF T cell co-stimulatory and co-inhibitory receptors**

Receptor subfamily	Molecule name	Extracellular domains	T cell co-signalling	Ligand/counter receptor
CD28	CD28		Stimulatory	B71,B72,B7H2 (human)
	ICOS (CD278)		Stimulatory	B7H2
	CTLA4 (CD152)		Inhibitory	B71,B72,B7H2 (human)
	PD1 (CD279)		Inhibitory	B7H1,B7DC
	PD1H (VISTA)		Inhibitory	Unknown
	BTLA (CD272)		Inhibitory	HVEM, UL144
B7	B71 (CD80)		Inhibitory	B7H1,CD28,CTLA4
	B7H1 (CD274,PDL1)		Inhibitory	PD1, B71
CD226	CD226 (DNAM1)		Stimulatory	CD112, CD155
	CRTAM (CD355)		Stimulatory	NECL2
	TIGIT (VSIG9,VSTM3)		Inhibitory	CD112,CD113,CD155
	CD96 (TACTILE)		Unclear	CD111,CD155
TIM	TIM1 (HAVCR1,KIM1)		Stimulatory	TIM4, TIM1,PS
	TIM2 (TIMD2)		Inhibitory	SEMA4A,H-ferritin
	TIM3 (HAVCR2,KIM3)		Inhibitory	Galectin9,PS
	TIM4 (TIMD4)		Unclear	TIM1,PS
CD2/SLAM	CD2 (LFA2,OX34)		Stimulatory	CD48
	SLAM (CD150,SLAMF1)		Stimulatory	SLAM
	2B4 (CD244,SLAMF4)		Stimulatory/inhibitory	CD48
	Ly108 (NTBA,CD352,SLAMF6)		Stimulatory/inhibitory	Ly108,NTB-A (human)
	CD84 (SLAMF5)		Stimulatory	CD84
	Ly9 (CD229,SLAMF3)		Stimulatory	Ly9
	CRACC (CD319,BLAME)		Stimulatory	CRACC
BTN	BTN1 (BTN1A1)		Unclear	Unknown
	BTN2 (BTN2A1-3)		Unclear	Unknown
	BTN3 (BTN3A1-3)		Unclear	Unknown
LAIR	LAIR1		Inhibitory	Collagens
Orphan	LAG3 (CD223)		Inhibitory	MHCII and unknown
	CD160 (BY55,NK28)		Inhibitory	HVEM

Legend: IgV IgC mucin-like GPI-linked; PS= phosphatidylserine