

Supplemental Table 1. **Mechanisms of Soluble Cytokine Receptor Generation**

	<u>Mechanism</u>	<u>Sheddase</u>	<u>Reference</u>
<u>TNF Receptor Superfamily</u>			
TNFRSF1A (TNFR1)	RS	TACE	(31,72)
	EX	NE	(40) (62,67)
TNFRSF1B (TNFR2)	RS	TACE	(10)
	AS	NE	(40)
	EX		(41) (67)
TNFRSF5 (CD40)	RS	TACE	(3,8,9)
TNFRSF6 (Fas, CD95)	AS		(8)
TNFRSF6B (Decoy Receptor 3, DcR3)	BP		(8)
TNFRSF8 (CD30)	RS	TACE ADAM10	(3,8,9) (33)
TNFRSF9 (4-1BB, CD137)	AS		(8)
TNFRSF11B (Osteoprotegerin)	BP		(8)
TNFRSF16 (p75 Neurotrophin Receptor)	RS	TACE	(8)
<u>IL-1R/TLR Superfamily</u>			
IL-1 Receptor, type II (IL-1RII)	RS	TACE BACE 1,2	(3,8,9) (37)
	AS		(8)
IL-1 Receptor Accessory Protein (IL-1RAcP)	AS		(8)
IL-1 Receptor-like 1 (ST2)	BP		(55)
IL-18 Binding Protein (IL-18BP)	BP		(8,50-52)
<u>Class I Cytokine Receptor Superfamily</u>			
Ciliary Neurotrophic Factor Receptor, α (CNTFR)	RS	PI-PLC	(8)
Cytokine-like Factor-1 (CLF)	BP		(56)
Erythropoietin Receptor (EPOR)	AS		(8)
gp130	AS		(8)
GM-CSF Receptor, α (CSF2RA, CSF2R α)	AS		(8)
Growth Hormone Receptor (GHR)	RS	TACE	(3,8)
IL-2 Receptor, α	RS	MMP9	(39)
		NE	(73)
		PR3	(73)
IL-4 Receptor, α	AS		(8)

IL-5 Receptor, α	AS		(8)
IL-6 Receptor, α	RS	TACE ADAM10 CTSG	(3,8,9) (8) (73)
		AS	(8)
IL-7 Receptor, α	AS		(8)
IL-9 Receptor, α	AS		(8)
IL-15 Receptor, α	RS	TACE	(3,8,9)
	AS		(42)
Leukemia Inhibitory Factor Receptor, α	AS		(8)
Oncostatin M Receptor	AS		(45)
<u>Class II Cytokine Receptor Superfamily</u>			
Inteferon Receptor (IFNAR1)	AS		(8)
IL-22 Receptor, α 2 (IL22RA2, IL-22BP)	BP		(8)
<u>IL-17 Receptor Family</u>			
IL-17 Receptor	AS		(8)
<u>Receptor Tyrosine Kinases</u>			
CSFR1 (M-CSFR)	RS	TACE	(3,8)
Epidermal Growth Factor Receptor (EGFR, erbB1)	EX		(68)
erbB2/HER2	RS	ADAM10	(74)
erbB4/HER4	RS	TACE	(3,8)
Flt1 (fms-like tyrosine kinase, VEGF receptor 1)	AS		(75)
c-Kit (CD117)	RS	TACE	(3,8)
trkA (NTRK1, neurotrophic tyrosine kinase, receptor, type 1)	RS	TACE	(3)
<u>TGF-β Receptor Family</u>			
TGF- β receptor I (Activin Receptor-like Kinase 5)	AS		(8)
TGF- β Receptor III (Betaglycan)	RS	MT1-MMP MT3-MMP	(8)
Activin Receptor-like Kinase 7	AS		(8)
Endoglin (CD105)	Unknown		(76)
<u>Chemokine Receptors</u>			
CCR6	MV		(70)
CX3CR1	MV		(70)
<u>Immunoglobulin Receptors</u>			
CD23 (low-affinity IgE receptor)	RS	ADAM10	(35)

Abbreviations: AS, alternative splicing; BP, secreted cytokine binding protein; CTSG, cathepsin G; EX, exosome or exosome-like vesicle; MMP9, matrix metalloproteinase 9; MT-MMP, membrane-type-matrix metalloproteinase; MV, microvesicle; NE, neutrophil elastase; PI-PLC, phosphatidylinositol-specific phospholipase C; PR3, proteinase 3; RS, receptor sheddase-mediated ectodomain cleavage.

Additional References for Supplemental Table 1

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