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**TCR components:**

TCR alpha (Tcra, Tra)

TCR beta (Tcrb, Trb)

CD3 gamma (Cd3g)

CD3 delta (Cd3d)

CD3 epsilon (Cd3e)

CD3 zeta (Cd3z, Cd247)

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**Co-receptors & co-signaling molecules:**

CD4 (Cd4)

CD8 alpha (Cd8a)

CD8 beta1 (Cd8b1, Cd8b)

CD28 (Cd28)

CD5 (Cd5)

CD69 (Cd69)

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**Cytokine receptors & chemokine receptors:**

IL7R alpha (Cd127)

IL2R beta (Cd122)

IL2R gamma (gamma-c, Cd132)

CCR7 (Ccr7)

CCR9 (Ccr9)

CCR4 (Ccr4)

CXCR4 (Cxcr4)

S1P1 (S1pr1)

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**Adhesion molecules & guidance molecules:**

Integrin alpha 4 (Itga4)

Integrin alpha 5 (Itga5)

Integrin alpha 6 (Itga6)

integrin alpha L (Itgal)

Integrin beta 1 (Itgb1)

integrin beta 2 (Itgb2)

Integrin beta 4 (Itgb4)

Integrin beta 7 (Itgb7)

Semaphorin 3E (Sema3e)

Plexin D1 (Plxnd1)

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**Other surface molecules:**

Heat-stable antigen (CD24, Cd24)

H-2K (H2-K1, H2-k1)

H-2D (H2-D, H2-d)

Qa-2 (Qa2, H2-Q6, H2-q6)

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**Signal molecules:**

Zap-70 (Zap70)

Themis

BAX (Bcl2-AX, Bax)

BAK (Bcl2-AK1, Bak1)

Bcl-2 (Bcl2)

Bcl-xL (Bcl2-L1, Bcl2l1)

Mcl-1 (Mcl1)

Bim (Bcl2-L11, Bcl2l11)

Puma (Bcl2-BC3, Bbc3)

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**Transcription factors:**

SOCS1 (Socs1)

RUNX3 (Runx3, Runx3d)

Nur77 (Nr4a1)

Thpok (Zbtb7b)

ROR-gamma (Rorc)

PLZF (Zbtb16)

Id2

Id3

Gfi1

Foxo1

KLF2 (Klf2)

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**Other molecules:**

RAG1 (Rag1)

RAG2 (Rag2)

ST3Gal1 (St3gal1)

ST3Gal2 (St3gal2)

ST3Gal3 (St3gal3)

ST3Gal5 (St3gal5)

Gimap1

Gimap4

Gimap5

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