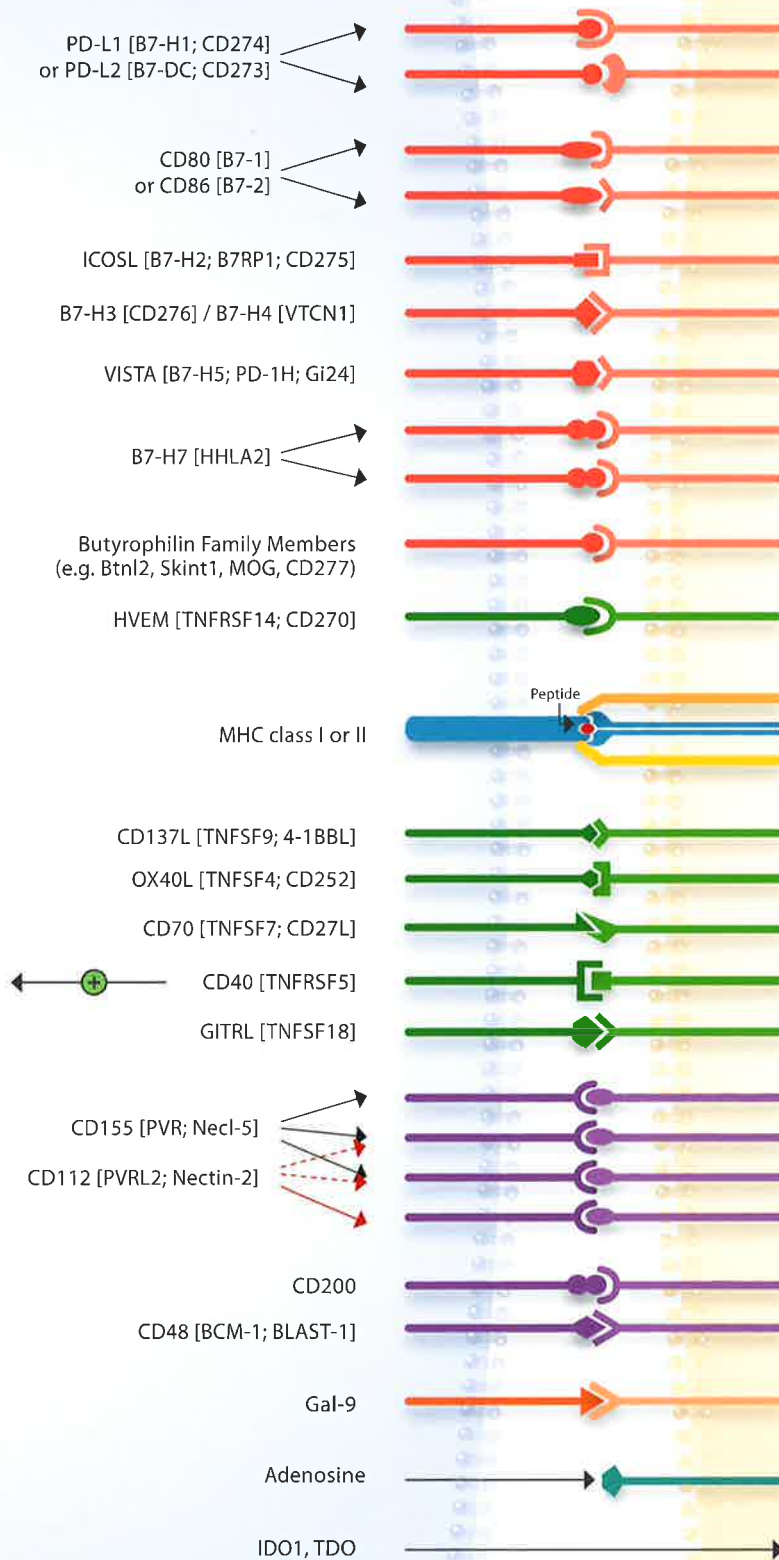


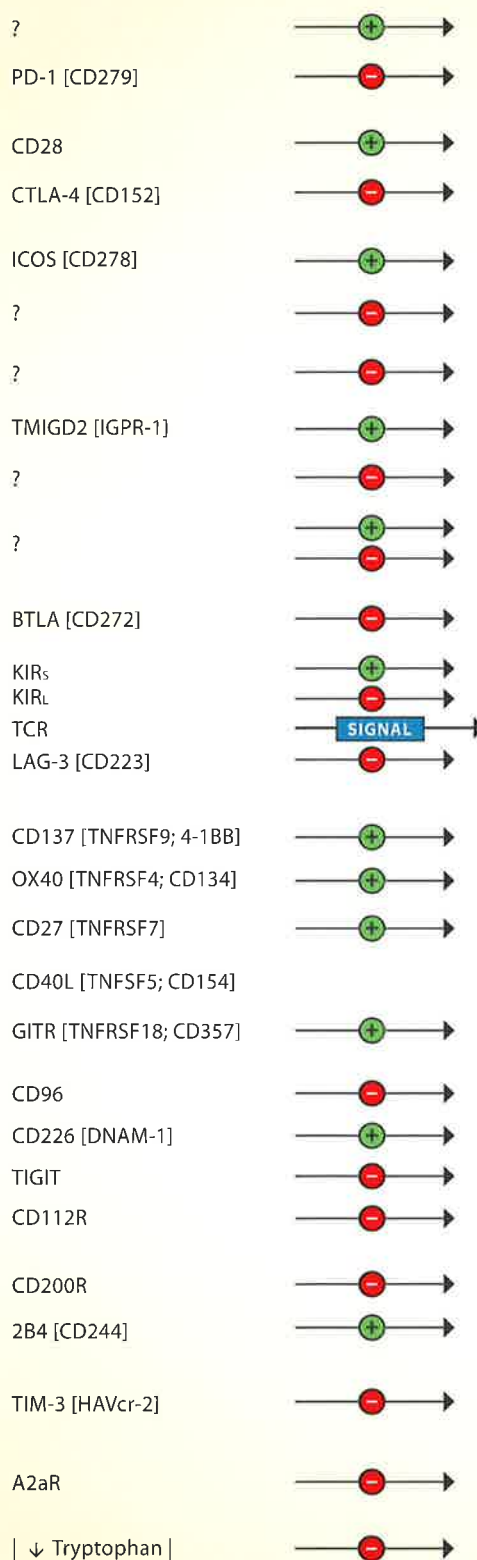
# T Cell Immune Checkpoints

## APC / Tumor cell / Dendritic cell



Cytokines  
(TGFB, IL-1, IL-6,  
IL-10, IL-12, IL-18)

## T cell



Regulation and activation of T lymphocytes depend on signaling by the T cell receptor (TCR) and also by cosignaling receptors that deliver negative (-) or positive (+) signals.

REVIEWS: Immune checkpoint blockade immunotherapy to activate anti-tumour T-cell immunity: A.G. Ramsay; Br. J. Haematol. 162, 313 (2013) - Immune checkpoint blockade: a common denominator approach to cancer therapy: S.L. Topalian, et al.; Cancer Cell. 27, 450 (2015)