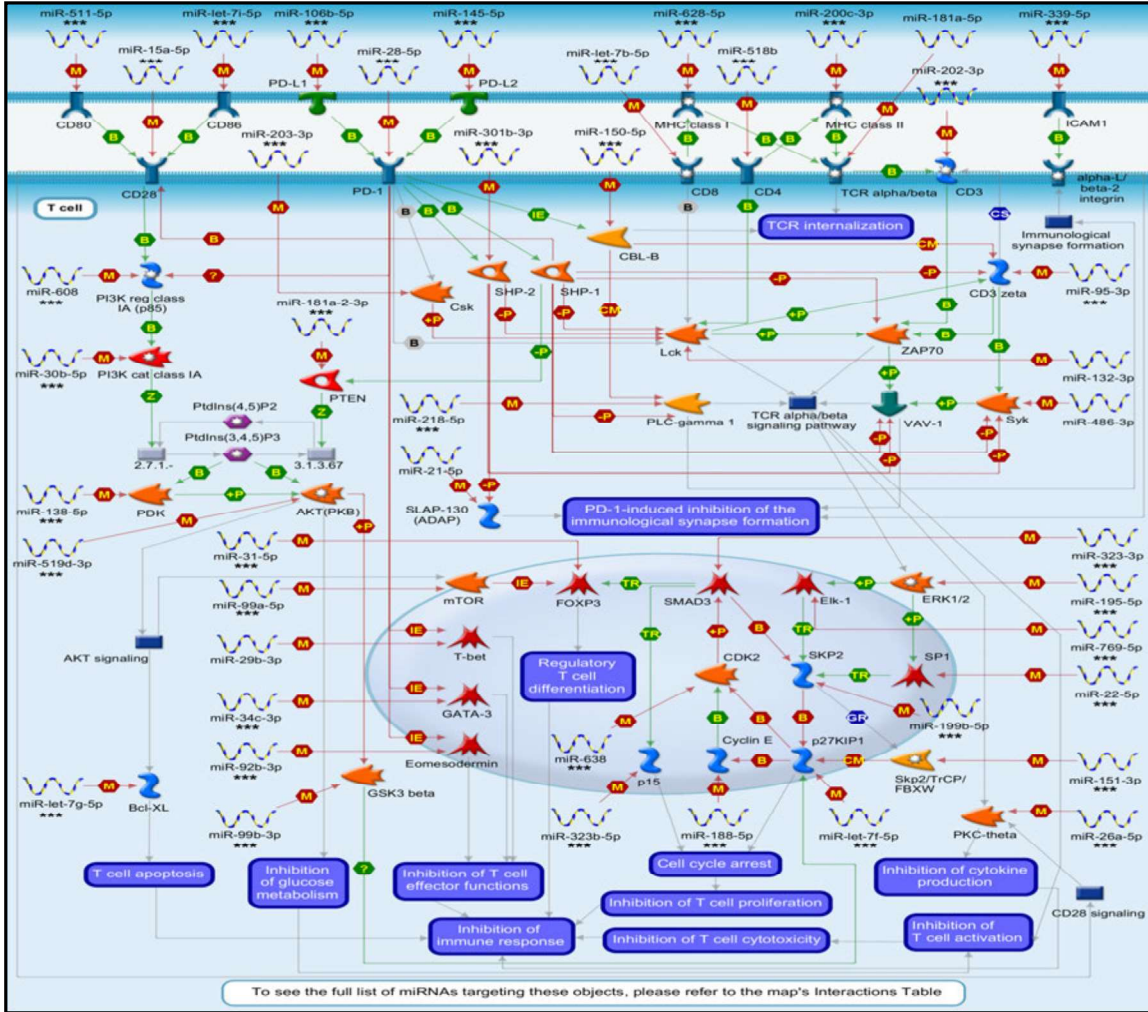


Inhibitory PD-1 signalling in T cells



PD-1 is a cell surface receptor that suppresses the adaptive immune response. Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits proximal TCR alpha/beta signalling and CD28-mediated co-stimulation required for T cell activation, proliferation, cytokine production, and cytolytic function. In addition, PD-1 signalling promotes the development of regulatory T cells, and inhibits the expression of transcription factors that are associated with T cell effector functions.

MIRXES has 134 miRNAs targeting 23 proteins on this signalling cascade, indicating that most proteins involved in Inhibitory PD-1 signalling in T cells are miRNA targets and may therefore be affected by miRNA action.

Hi-resolution
Pathway Map



Full pathway
summary & Citations



Relevant microRNA
and gene transcripts



Interactions Table

