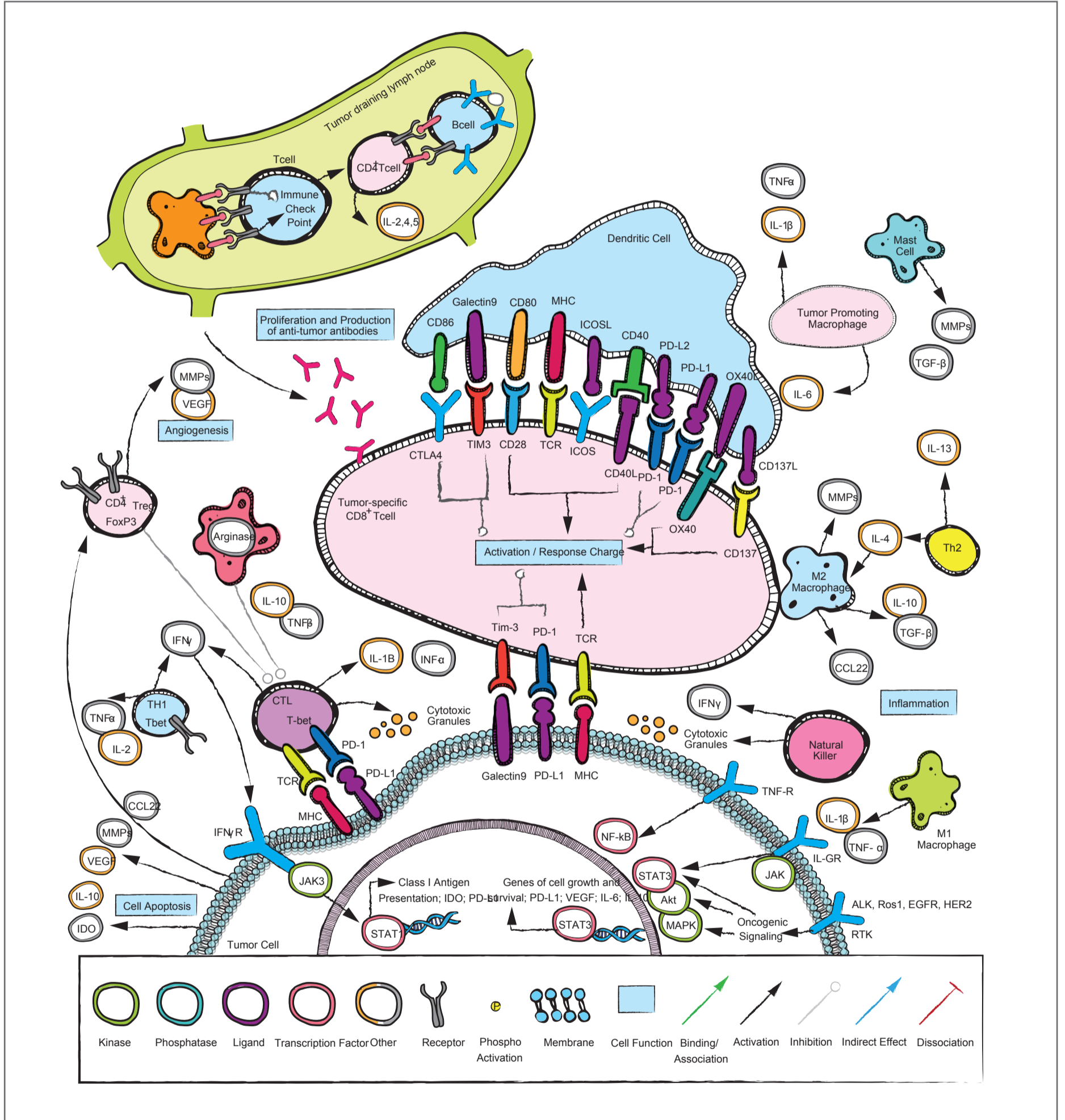


Tumor Immunology

Pathway



Tumor cells express antigens that can mediate recognition by CD8+ T cells. These tumors resist immune attack through the dominant inhibitory effects of immune system suppressive pathways. It has been found that tumors having high expression of PD-L1 and IDO, also have high infiltration of cells. The ability for T cells to migrate to the tumor microenvironment depends on binding to ICAM-1, VCAM-1, and selectins on the vascular endothelial cells, as well as, the production of specific chemokines. The regulatory features of the tumor microenvironment have critical implications for clinical therapeutics and interventions.