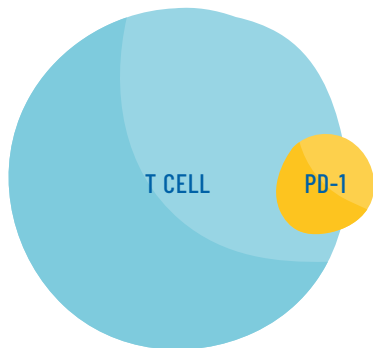
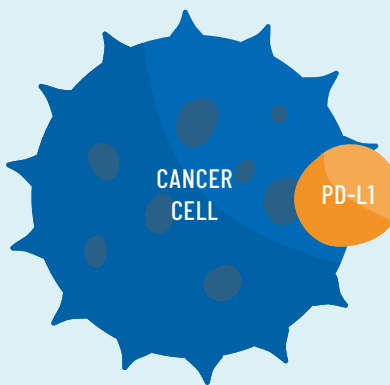
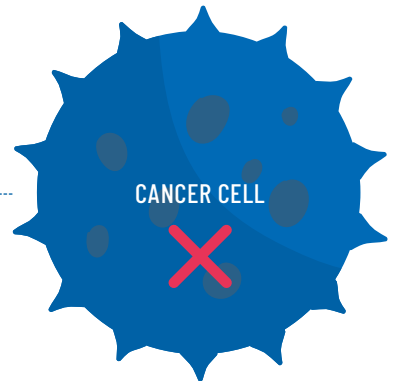


PD-1 & PD-L1 INHIBITORS AND THE CELLULAR IMMUNE RESPONSE



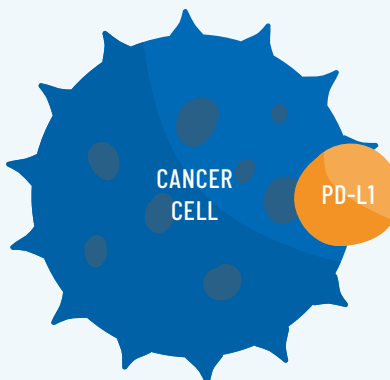
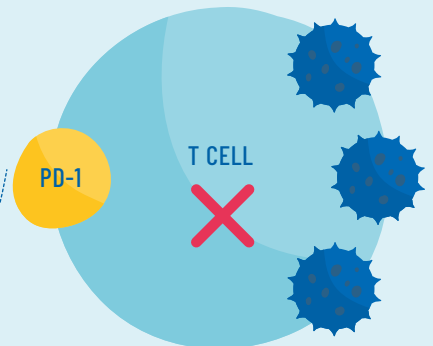
HOW DOES THE CELLULAR IMMUNE RESPONSE WORK ?

T-cells can express PD-1 on the surface. This protein acts as a checkpoint which, once activated, negatively impacts the immune system by reducing T-cells activity.



HOW CAN CANCER CELLS OUTSMART THE IMMUNE SYSTEM?

By activating the PDL-1 protein, the cancer cell will recognize and activate the PD-1 receptor on T-cells and block their activity. They are then free to grow and cause disease.



HOW CAN PD-1 & PD-L1 INHIBITORS HELP RESTORE IMMUNE FUNCTION?

Anti PD-1 and anti PDL-1 antibodies bind to PD-1 and PDL-1 and prevent the activation of the checkpoint on T-cells. These T lymphocytes can thus be functional again in their role of defense within the immune system.

