

Molecular Interactions and Expression of PD-1 and PD-L1

PD-1

Ligands

- PD-L1
- PD-L2

Expression

- High expression on tumor-infiltrating lymphocytes
- Activated CD4 and CD8 T cells
- Regulatory T cells
- NK T cells
- B cells
- Monocytes
- Dendritic cells

PD-L1

Ligands

- PD-1
- B7-1 (connects to the CD28/CTLA-4 pathway)

Expression

- Tumor cells
- All cell types and tissues (mRNA)