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Budigalimab

National Cancer Institute

Source

National Cancer Institute. *Budigalimab*. NCI Thesaurus. Code C137682.

A monoclonal antibody directed against the negative immunoregulatory human cell surface receptor programmed cell death 1 (PD-1, PCD-1; PDCD1), with potential immune checkpoint inhibitory and antineoplastic activities. Upon administration, anti-PD-1 monoclonal antibody ABBV-181 targets and binds to PD-1, thereby blocking its binding to the PD-1 ligand, programmed cell death-1 ligand 1 (PD-L1), and preventing the activation of PD-1/PD-L1 downstream signaling pathways. This may restore immune function through the activation of cytotoxic T-lymphocytes (CTLs). PD-1, a transmembrane protein in the immunoglobulin superfamily expressed on activated T-cells, negatively regulates T-cell activation and effector function when activated by its ligand; it plays an important role in tumor evasion from host immunity.