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Anti-PD1 Monoclonal Antibody AGEN2034

National Cancer Institute

Source

National Cancer Institute. *Anti-PD1 Monoclonal Antibody AGEN2034*. NCI Thesaurus. Code C136465.

A monoclonal antibody directed against the negative immunoregulatory human cell surface receptor programmed cell death 1 (PD-1, PCD-1; PDCD1) protein, with potential immune checkpoint inhibitory and antineoplastic activities. Upon administration, anti-PD-1 monoclonal antibody AGEN2034 binds to PD-1, and thereby blocks its binding to the PD-1 ligand programmed cell death-1 ligand 1 (PD-L1), and prevents the activation of its downstream signaling pathways. This may restore immune function through the activation of cytotoxic T-cells. 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.