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Anti-GITR Monoclonal Antibody GWN 323

National Cancer Institute

Source

National Cancer Institute. *Anti-GITR Monoclonal Antibody GWN 323*. NCI Thesaurus. Code C128028.

An anti-human glucocorticoid-induced tumor necrosis factor receptor (tumor necrosis factor superfamily, member 18; TNFRSF18; GITR; CD357) agonistic monoclonal antibody, with potential immune checkpoint modulating activity. Anti-GITR antibody GWN 323 binds to and activates GITRs found on multiple types of T-cells. This stimulates the immune system, induces both the activation and proliferation of tumor-antigen-specific T effector cells (T eff), and suppresses the function of activated T regulatory cells (T regs). This leads to tumor cell eradication. GITR, a member of the TNF receptor superfamily and T-cell receptor co-stimulator, is expressed on the surface of multiple immune cell types, including T regs, T effs, B-cells, and natural killer (NK) cells. Inappropriately activated T regs suppress both T effs and T-cell receptor (TCR) signaling.