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# Anti-CTLA-4 Monoclonal Antibody REGN4659

National Cancer Institute

## Source

National Cancer Institute. *Anti-CTLA-4 Monoclonal Antibody REGN4659*. NCI Thesaurus. Code C159764.

A fully human immunoglobulin G1 (IgG1) antibody directed against the human T-cell-expressed receptor cytotoxic T-lymphocyte-associated antigen 4 (CTLA4; CTLA-4), with potential immune checkpoint inhibitory and antineoplastic activities. Upon intravenous administration, anti-CTLA-4 monoclonal antibody REGN4659 targets and binds to CTLA-4 expressed on T-cells and inhibits the CTLA-4-mediated downregulation of T-cell activation. This leads to a cytotoxic T-lymphocyte (CTL)-mediated immune response against cancer cells. CTLA-4, an inhibitory receptor and member of the immunoglobulin superfamily (IgSF), plays a key role in the downregulation of the immune system.