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# Anti-CTLA-4 Monoclonal Antibody AGEN1181

National Cancer Institute

## Source

National Cancer Institute. *Anti-CTLA-4 Monoclonal Antibody AGEN1181*. NCI Thesaurus. Code C158557.

An Fc-engineered recombinant human immunoglobulin (Ig) G1 monoclonal antibody directed against the human T-cell receptor cytotoxic T-lymphocyte-associated antigen 4 (CTLA-4), with immune checkpoint inhibitory and antineoplastic activities. Upon administration, anti-CTLA-4 monoclonal antibody AGEN1181 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, plays a key role in the downregulation of the immune system. The engineered Fc domain increases the stability and half-life of the antibody.