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Tremelimumab

National Cancer Institute

Source

National Cancer Institute. *Tremelimumab*. NCI Thesaurus. Code C49085.

A human IgG2 monoclonal antibody directed against the T-cell receptor protein cytotoxic T-lymphocyte-associated protein 4 (CTLA4). Tremelimumab binds to CTLA4 and blocks the binding of the antigen-presenting cell ligands B7-1 and B7-2 to CTLA4, resulting in inhibition of B7-CTLA4-mediated downregulation of T-cell activation; subsequently, B7-1 or B7-2 may interact with another T-cell surface receptor protein, CD28, resulting in a B7-CD28-mediated T-cell activation unopposed by B7-CTLA4-mediated inhibition.