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Muromonab-CD3

National Cancer Institute

Source

National Cancer Institute. *Muromonab-CD3*. NCI Thesaurus. Code C1321.

A murine IgG2a monoclonal antibody with immunosuppressive activity. Muromonab-CD3 binds to and inhibits CD3 on the surface of circulating T-lymphocytes; binding of muromonab-CD3 to CD3-positive T cells results in an early activation of this T cell subset, followed by cytokine release, and subsequently inhibition of T cell functions. This agent may cause the opsonization and elimination of CD3-positive T cells from the circulation by mononuclear phagocytes in the liver and spleen. CD3 is part of the functional T cell receptor (TCR) complex, which is necessary for antigen recognition by T cells, and is required for signal transduction.