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# Anti-CD45 Monoclonal Antibody

National Cancer Institute

## Source

National Cancer Institute. *Anti-CD45 Monoclonal Antibody*. NCI Thesaurus. Code C70798.

A monoclonal antibody directed against the receptor-like leukocyte cell surface glycoprotein CD45 with leukocyte-depleting activity. Upon administration, anti-CD45 monoclonal antibody binds to leukocyte surface-expressed CD45, which may result in the transient depletion of circulating leukocytes including circulating T cell depletion (T CD). CD45, a receptor-like protein-tyrosine phosphatase that consists of several isoforms, is present on all differentiated hematopoietic cells except erythrocytes and plasma cells and is essential for T cell development and lymphocyte activation.