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Isatuximab

National Cancer Institute

Source

National Cancer Institute. *Isatuximab*. NCI Thesaurus. Code C90578.

A humanized IgG1 monoclonal antibody directed against the cell surface glycoprotein CD-38 with potential antineoplastic activity. Isatuximab specifically binds to CD38 on CD38-positive tumor cells. This may trigger antitumoral antibody-dependent cellular cytotoxicity (ADCC), complement-dependent cytotoxicity (CDC) and apoptosis eventually leading to cell lysis in CD38-expressing tumor cells. CD38, a type II transmembrane glycoprotein, is present on various immune cells and hematologic malignancies, and its expression has been correlated with poor prognosis.