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Belimumab

National Cancer Institute

Source

National Cancer Institute. *Belimumab*. NCI Thesaurus. Code C91385.

A fully human IgG1 monoclonal antibody directed against B-Lymphocyte stimulator protein (BlyS or TNFSF13B) with potential immunomodulating activity. Belimumab specifically recognizes and inhibits the biological activity of BlyS, thereby preventing the binding of BlyS to B-lymphocytes. This inhibits the maturation of B-lymphocytes and may induce apoptosis in B-lymphocytes. In addition, it may decrease B-lymphocyte proliferation and/or survival. BlyS, a member of TNF family supporting B-lymphocyte maturation and survival, has been implicated in the pathogenesis of autoimmune diseases and B-lymphocyte malignancies.