Abstract

COMPOSITIONS AND METHODS FOR THE DEPLETION OF CD5+ CELLS

The invention provides anti-CD5 antibodies, antigen-binding fragments thereof, and antibody drug conjugates thereof, for use in treating, for example, a stem cell disorder, cancer, or autoimmune disease, among other hematological and proliferative diseases. Compositions and methods for depleting populations of CD5+ cells, such as CD5+ cancer cells and CD5+ immune cells are described, and can be used to treat cancers and autoimmune diseases directly as stand-alone therapies by eradicating cancerous cells and autoreactive immune cells that express CD5 and/or to prepare a patient for hematopoietic stem cell transplantation, for instance, by depleting populations of CD5+ immune cells that cross-react with, and mount an immune response against, non-self hematopoietic stem cells.

No suitable figure