Abstract

The invention relates to a monoclonal humanized antibody or antigen-binding fragment thereof that specifically bind to the TRBV9 family of the human T cell receptor. The invention also relates to a nucleic acid encoding said antibody or antigen-binding fragment thereof, an expression vector, a method for preparing said antibody, and use of said antibody in treatment of diseases or disorders associated with the human T cell receptor family. The invention is directed to generation of antibodies that can be used for treating, in particular AS, celiac disease and malignant blood diseases, the pathogenesis of which involves the TRBV9 family TCRs.