ABSTRACT

AN ANTIBODY INDUCING ANTIGEN-SPECIFIC T CELL TOLERANCE AND USE THEREOF

The present invention relates to an antibody binding to the domain 2 of human intercellular adhesion molecules-1 (ICAM-1) where the antibody is able to modulate the differentiation status of dendritic cells and induce antigen-specific T cell tolerance, thereby be effective in the prevention and/or treatment of T cell-mediated immune disorders such as transplantation rejection, graft-versus-host disease, and autoimmune disease. In addition, the present invention provides a pharmaceutical composition comprising the antibody, and method of using them for the treatment of disease.

Figure 1