

The present invention provides to a antibody construct comprising a first human binding domain capable of binding to human CDH19 on the surface of a target cell and a second domain capable of binding to human CD3 on the surface of a T cell. Moreover, the invention relates to a nucleic acid sequence encoding the antibody construct, a vector comprising said nucleic acid sequence and a host cell transformed or transfected with said vector. Furthermore, the invention relates a process for the production of the antibody construct of the invention, a medical use of said antibody construct and a kit comprising said antibody construct.