ABSTRACT

ANTI-PD-1 MONOCLONAL ANTIBODIES AND OBTAINING METHOD THEREOF

The present invention relates to the technical field of antibody engineering. Provided are a full human anti-PD-1 monoclonal antibody, a preparation method therefor, and uses thereof. Anti-PD-1 monoclonal antibodies are obtained from a fully synthetic antibody library by means of screening, and then light-chain CDR1-3-region and heavy-chain CDR1-3-region mutation construction libraries of the obtained antibody are screened in sequence by means of an affinity maturation technology to obtain a high-affinity anti-PD-1 antibody. The antibody can be used for treating tumors, inflammations, and autoimmune diseases.

FIG. 16