

PHARMACEUTICAL COMBINATION CONTAINING ANTI-PD-1- ANTI-VEGFA BISPECIFIC ANTIBODY, AND USE THEREOF

ABSTRACT

The present invention relates to the field of tumor treatment and immunology biology. Provided are a pharmaceutical combination containing an anti-PD-1-anti-VEGFA bispecific antibody, and the use thereof. Specifically, the pharmaceutical combination comprises at least one bispecific antibody and at least one PARP inhibitor, wherein the bispecific antibody comprises a first protein functional region for targeting PD-1 and a second protein functional region for targeting VEGFA; and according to the EU numbering system, the heavy chain constant region of an immunoglobulin contained in the bispecific antibody is mutated at two sites, i.e. site 234 and site 235, and after mutation, the affinity constant of the bispecific antibody to Fc γ RI, Fc γ RIIa, Fc γ RIIIa and/or C1q is reduced compared with the affinity constant of the bispecific antibody thereto before mutation. The combined administration of the PARPi and the bispecific antibody has a significantly better therapeutic effect on tumors than the individual use of the PARPi or the bispecific antibody; and the present invention has good application prospects.

[Fig. 38]