Claims:

1. A chimeric antigen receptor comprising an antigen binding domain; a hinge region; a transmembrane domain; a costimulatory domain; and a cytoplasmic signaling domain, characterized in that the antigen binding domain binds to IL13Rα2,

wherein, in the antigen binding domain, the 11th, 64th, 67th, and 107th positions of the amino acid sequence indicated with Sequence No. 1 are substituted with lysine(K), aspartic acid(D), aspartic acid(D) and lysine(K), respectively.

2. The chimeric antigen receptor according to claim 1, characterized in that three glycines are additionally introduced between the antigen binding domain and the hinge region.

3. The chimeric antigen receptor according to claim 1, indicated with Sequence No. 14.

4. The chimeric antigen receptor according to claim 1, indicated with Sequence No. 15.

5. CAR-T cell in which the chimeric antigen receptor according to any one of claims 1 to 4 is expressed.