

ABSTRACT

The present invention provides an anti-CXCR6 antibody and the use thereof. The anti-CXCR6 antibody can bind to CXCR6 with high affinity and high specificity, has cross-species binding activity to both human CXCR6 and monkey CXCR6, is a depleting-antibody targeting CXCR6, and has the potential of treating inflammation or immune disorder diseases. Compared with existing CXCR6 antibodies, the anti-CXCR6 antibody involves lower cell non-specific binding activity, lower off-target toxicity and higher safety.

[No figure]