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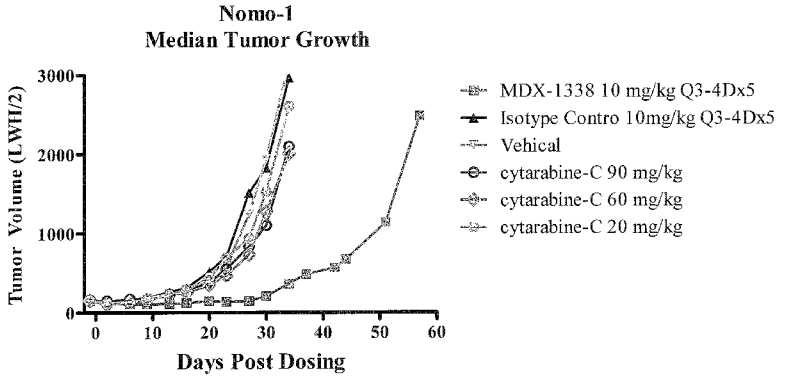
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(54) **Title**: TREATMENT OF HEMATOLOGIC MALIGNANCIES WITH AN ANTI-CXCR4 ANTIBODY



(57) **Abstract**: The present disclosure provides human monoclonal antibodies that bind specifically to CXCR4 with high affinity. This disclosure also provides a method for treating a subject afflicted with a CXCR4-expressing cancer, in particular a hematological malignancy such as multiple myeloma, acute myeloid leukemia, or non-Hodgkin's lymphoma, comprising administering to the subject a therapeutically effective amount of a pharmaceutical composition comprising an anti-CXCR4 antibody of the disclosure. The disclosure further provides a kit for treating a cancer in a subject comprising a dose of an anti-CXCR4 antibody and instructions for using the anti-CXCR4 antibody in the therapeutic methods of the disclosure.

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