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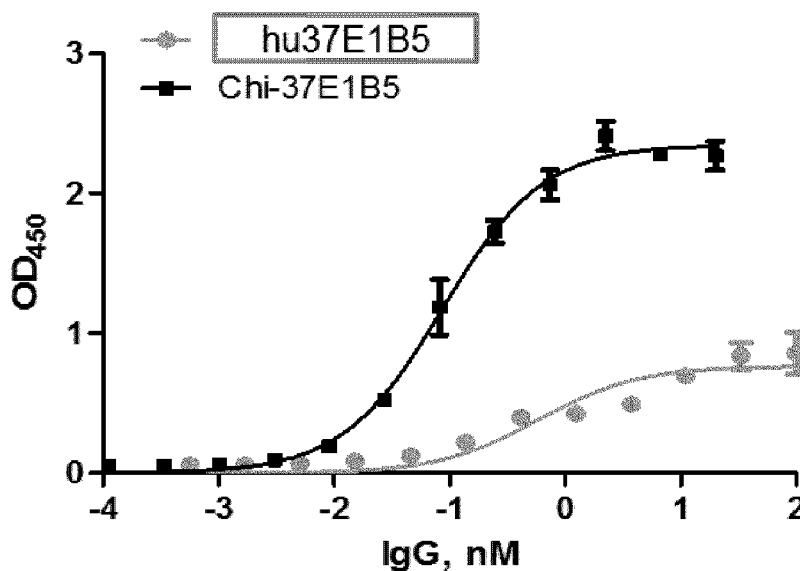
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(54) Title: ANTI- α V β 8 INTEGRIN ANTIBODIES FOR USE IN TREATING KIDNEY DISEASE

FIG. 1A



(57) **Abstract:** Provided are methods and compositions for treating kidney disease, such as chronic kidney disease (CKD), in which the methods and compositions comprise antibodies or an antigen binding fragment thereof that specifically and selectively bind to human α V β 8 integrin, which was discovered, as described, to be highly expressed on kidney cells and tissue, and, in particular, diseased or fibrotic kidney tissue. The disclosed anti- α V β 8 integrin antibodies bind to human α V β 8 integrin in the kidney and block the activation of TGF- β from its latent form in kidney tissue. The anti- α V β 8 antibodies in the disclosed methods reduce, attenuate, or abrogate kidney fibrosis, which is associated with the activities of α V β 8 integrin and TGF- β in kidney tissue. The disclosed antibodies and methods effectively treat kidney disease, in particular, fibrosis associated with kidney disease, such as CKD, in individuals in need thereof.



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