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(54) Title: INTEGRIN α7β1 ANTIBODIES AND USES THEREOF

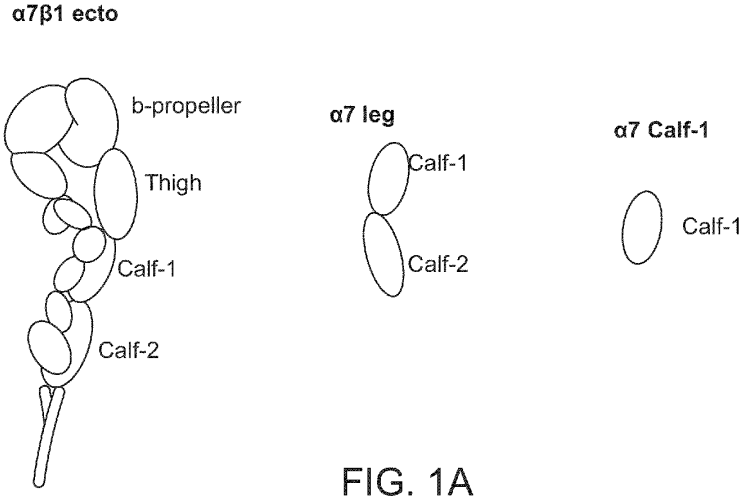


FIG. 1A

(57) Abstract: The present disclosure provides, among other things, a class of antibodies or an antigen binding fragments that bind to calf-1 or calf-2 domain of α7β1 integrin. The anti-α7β1 antibodies of the present disclosure are effective in stabilizing the α7β1 integrin in the extended closed and extended-open conformations, which enhances the binding to laminins.

WO 2025/194093 A3

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