

Supplementary information, Figure S6

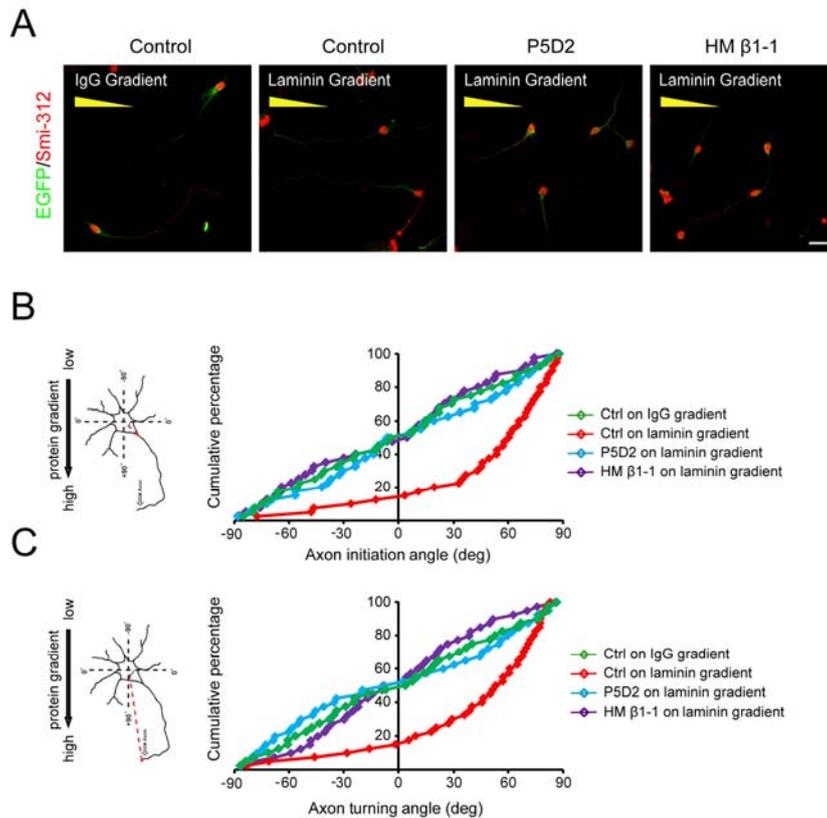


Figure S6 Effects of *Itgb1* function-blocking antibodies on axon initiation and turning on laminin gradients. **(A-C)** Isolated hippocampal neurons were first transfected with pCAG-EGFP and plated onto either IgG or laminin gradients, followed by the treatments with P5D2, HM β 1-1, or vehicle control. After 48 h, neurons were stained with Smi-312 antibody **(A)**. Scale bar, 20 μ m. **(B, C)** Cumulative percentage of axon initiation and turning angles for all sampled single-axon neurons was plotted. Angles with positive value (0° to 90°) or negative value (-90° to 0°) indicate that the axon was initiated or turned toward the high- and low-density side of the gradient, respectively. Data were analyzed using Kolmogorov-Smirnov test ($P < 0.001$, IgG gradients vs. laminin gradients; $P < 0.001$, Ctrl on laminin vs. P5D2 on laminin; $P < 0.001$, Ctrl on laminin vs. HM β 1-1 on laminin; $n = 40$ for all experimental groups).