

Supplementary Figures

Multiplexed PET Probes for Imaging Breast Cancer Early Response to VEGF₁₂₁/rGel Treatment

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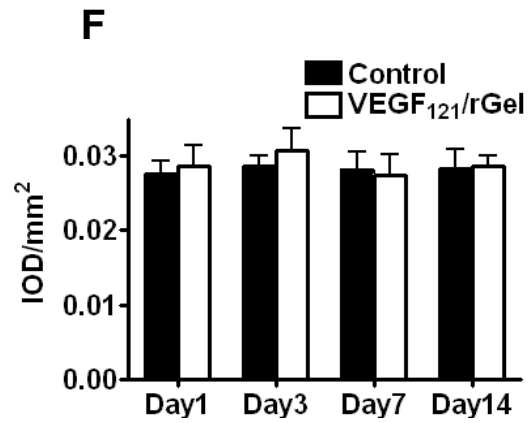
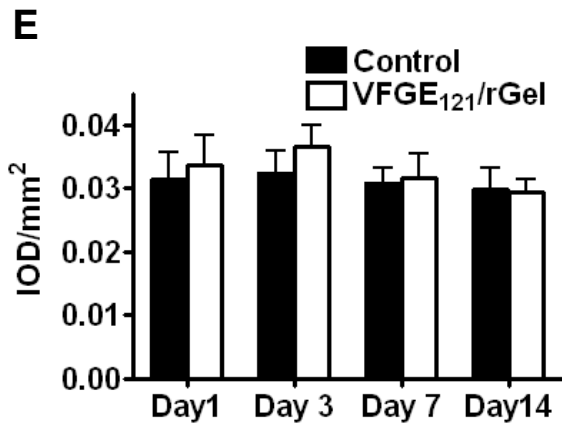
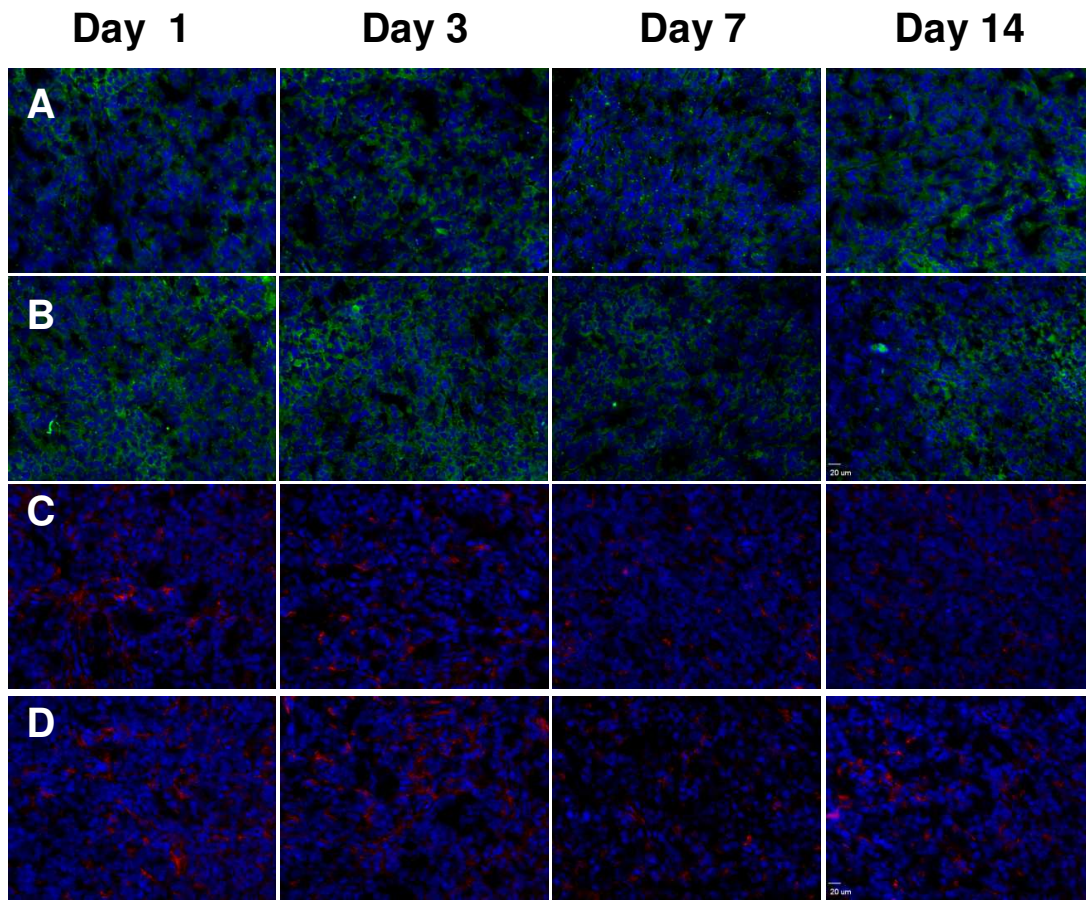
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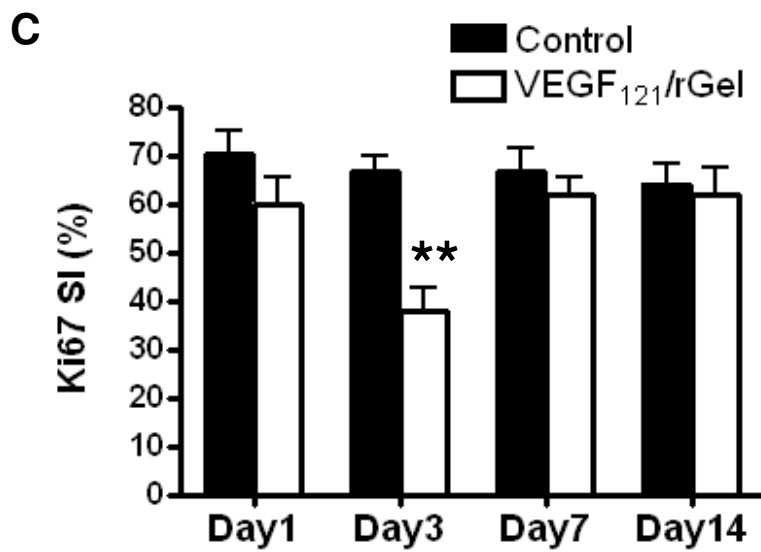
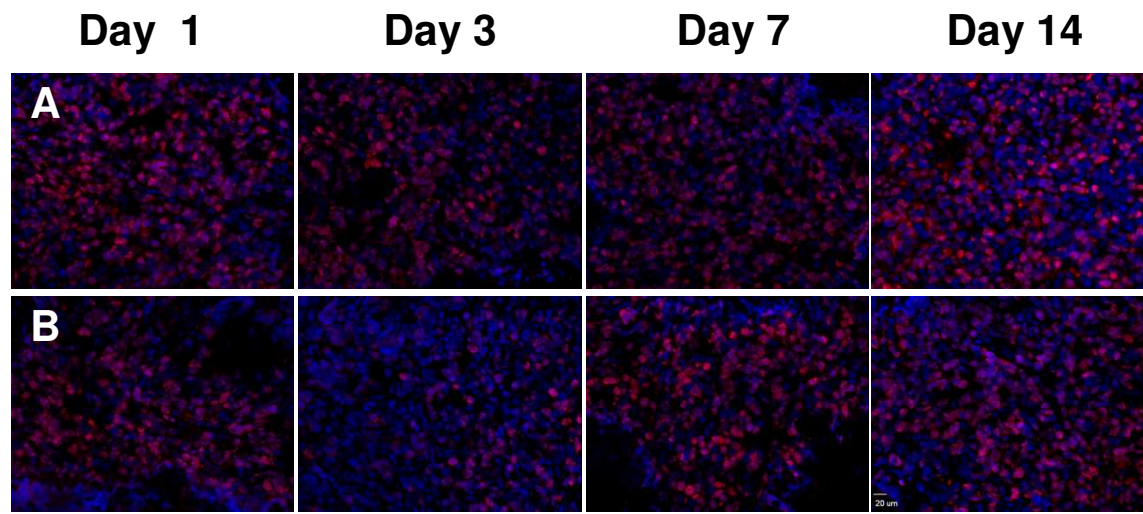
Suppl. Figure 1. (A) & (B) Immunofluorescence staining of GLUT-1 from two groups (A. Control; B, VEGF₁₂₁/rGel); (C) & (D) Immunofluorescence staining of F4/80 from two groups (C, Control; B, VEGF₁₂₁/rGel); (E) GLUT-1 integrated optical density is plotted in the histogram. (F) F4/80 integrated optical density is plotted in the histogram. Three samples were used from each group, and results were confirmed with a duplicate experiment.

Suppl. Figure 2. Proliferation of tumor cells in MDA-MB-435 tumors after VEGF₁₂₁/rGel treatment. (A) & (B) Tumor cell proliferation as assessed by Ki-67 immunofluorescence staining (A. Control; B, VEGF₁₂₁/rGel); (C) Ki67 positive cells were counted and Ki-67 staining index (SI) was calculated by plotting Ki-67 positive cell number against total cell number. A significant decrease of Ki67 SI was observed at day 3 after VEGF₁₂₁/rGel treatment, compared with control (** p < 0.01). Three samples were used from each group, and results were confirmed with a duplicate experiment.

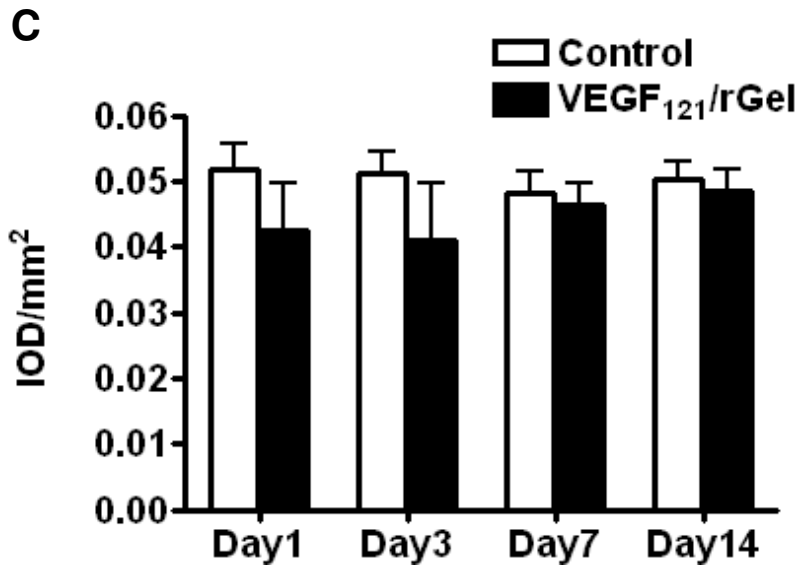
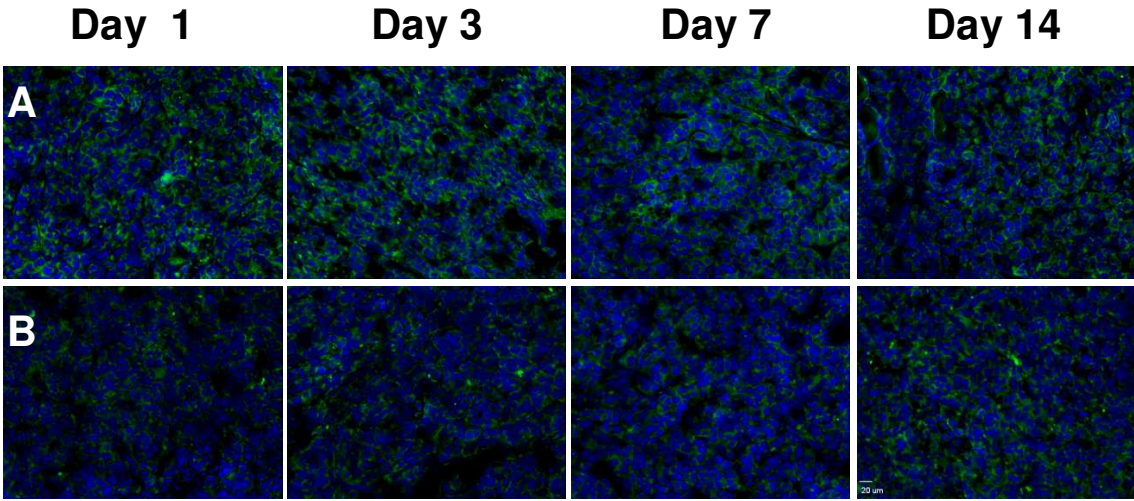
Suppl. Figure 3. (A) & (B) Immunofluorescence staining of human integrin $\alpha v \beta 3$ for MDA-MB-435 tumor tissues (A. Control; B, VEGF₁₂₁/rGel). (C) Integrated optical density (IOD) of human integrin $\alpha v \beta 3$ is plotted in the histogram. Three samples were used from each group, and results were confirmed with a duplicate experiment.



Suppl. Figure 1



Suppl. Figure 2



Suppl. Figure 3