Figure S1. Representative images show cross sections of posterior eye isolated from Col1α1-GFP mice. Samples were immunostained with antibodies against Iba1, CD13, GFAP and RPE65 (n=5). All samples were counter-stained with DAPI (blue), GFP antibodies (green) and the third antibody (red) as shown. Scale bars: 100μm.
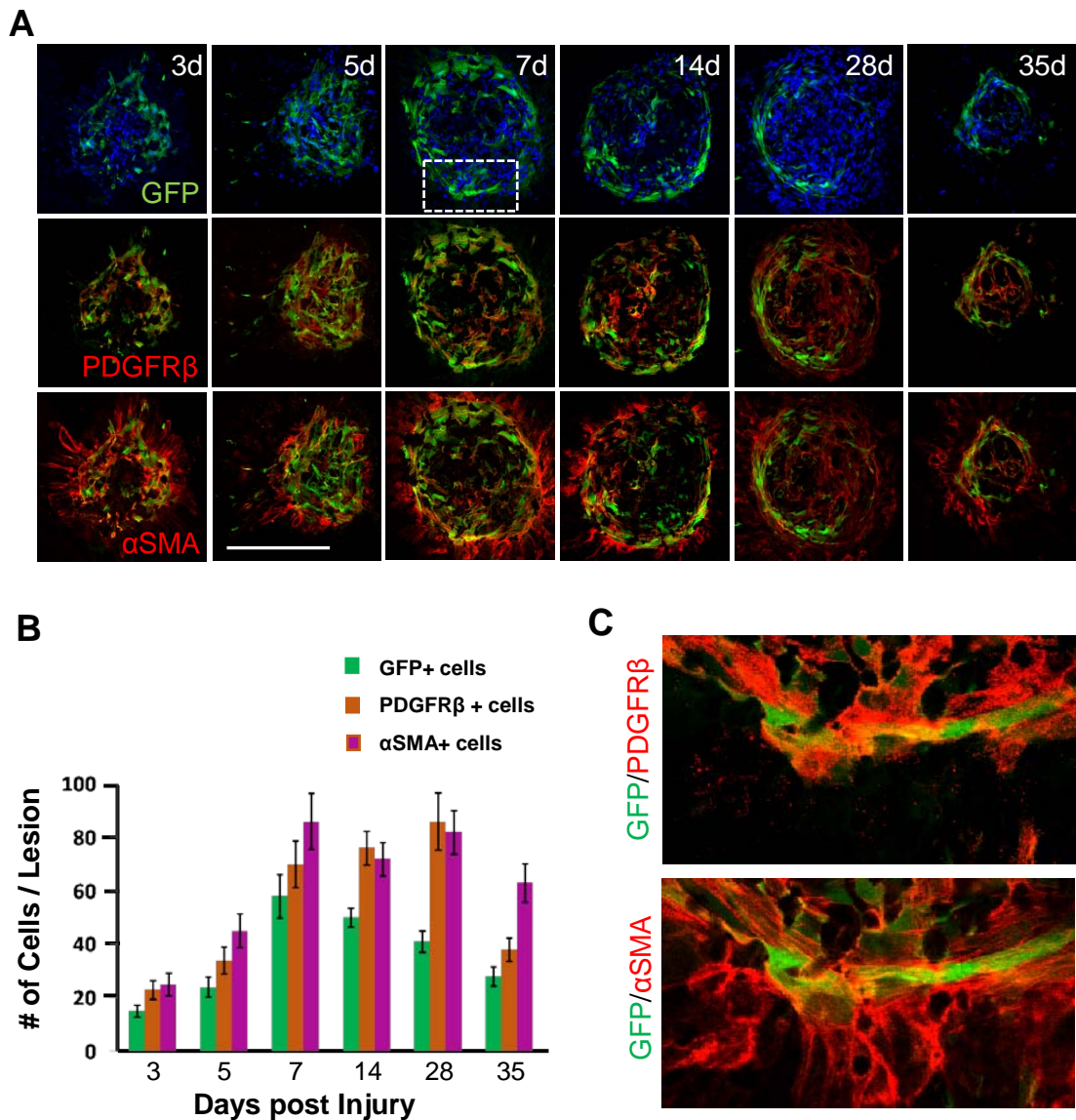
Figure S2. GFP-positive cells express PDGFRβ and αSMA. A, B: The time course of GFP, PDGFRβ and αSMA-positive cell distribution in subretinal space after laser-induced photocoagulation (n>10). C: GFP-positive cells are immunoreactive with antibodies against PDGFRβ and αSMA. Scale bars: 100μm.
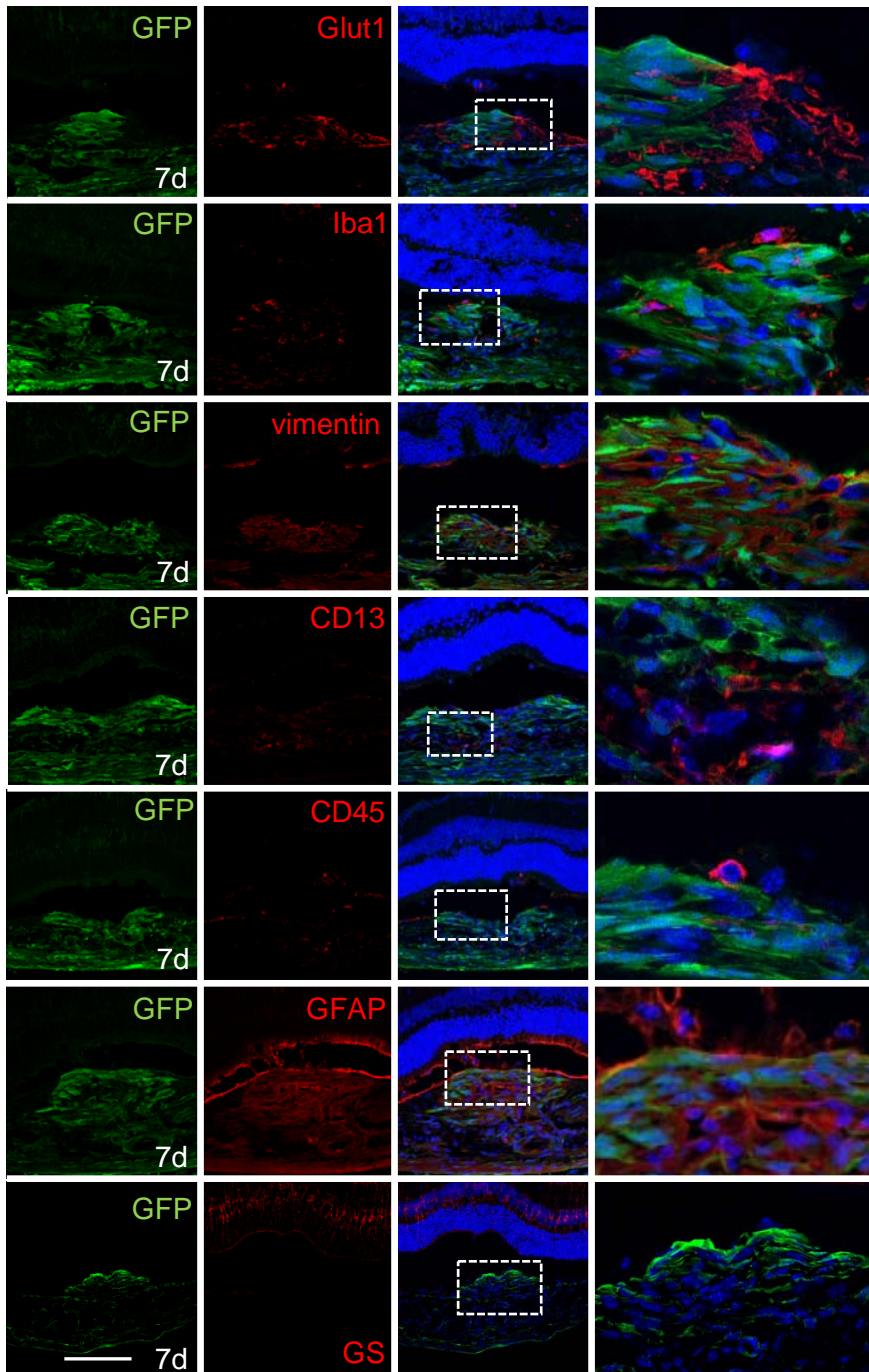
Figure S3. Representative images show cross sections of posterior eye isolated from Col1α1-GFP mice at 7 dpi. Samples with laser-induced lesions were immunostained with antibodies against Glut1, Iba1, vimentin , CD13, CD45, GFAP or glutamine synthetase (GS). All samples were counter-stained with DAPI (blue), GFP antibodies (green) and the third antibody (red) as shown (n=5). Scale bars: 100µm.
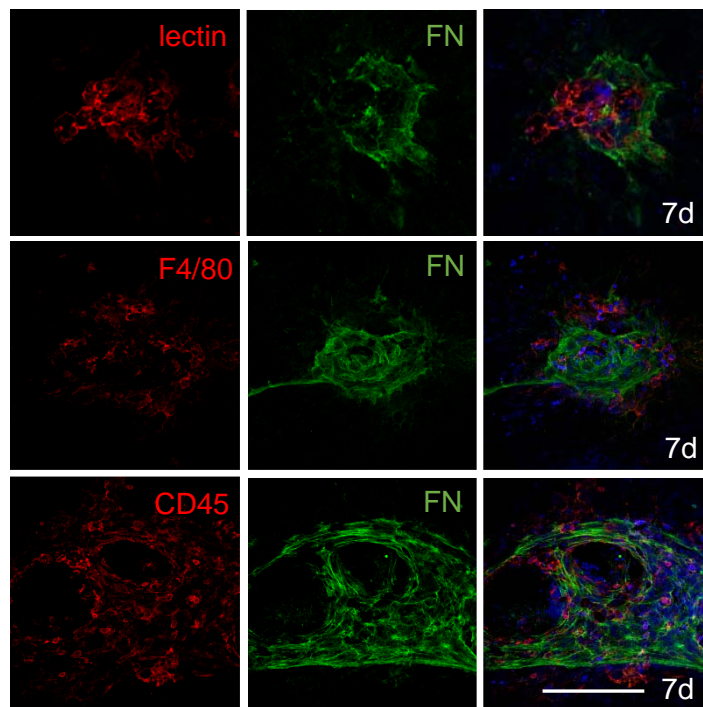
Figure S4. Representative images show flat-mounted RPE-choroid complexes isolated from wild type mice at 7 dpi. Samples with laser-induced lesions were immunostained with antibodies against fibronectins (FN), F4/80, CD45 or lectins. All samples were counter-stained with DAPI (blue) (n=5). Scale bars: 100µm.