Using Self-Assembled Monolayers to Understand α8β1-Mediated Cell Adhesion to the RGD and FEI Motifs in Nephronectin

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Supplementary Figure 1. Specificity of FEI peptide interaction with α8β1. (A) Effect of anti-integrin antibodies on H4 cell adhesion to Ac-GFEIGC. Cells were incubated with antibodies against α5, α8 and β1, either individually or in combination, and then allowed to attach to monolayers presenting either the FEI peptide. Cell adhesion was partially inhibited by the α8 and β1 antibodies, but not by α5 antibodies. Cell adhesion was quantized as normalized units relative to adhesion in the absence of antibodies. Error bars are the standard error of three experiments. Cells devoid of integrin α8β1 did not adhere to FEI-presenting substrates (B), while the same cell line engineered to express α8β1 did adhere to this substrate (C). The scale bar in panel C applies to both phase contrast panels.