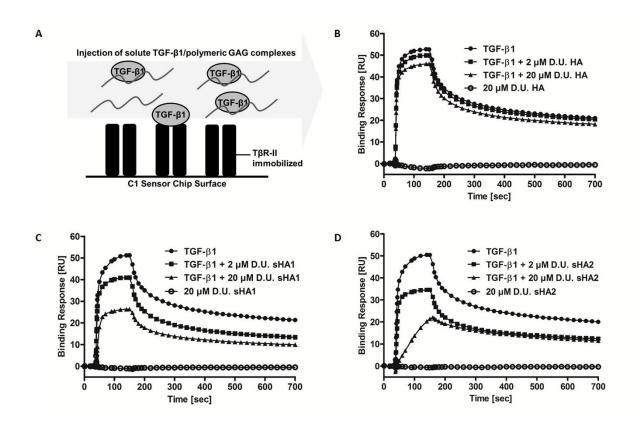
Supplementary Information

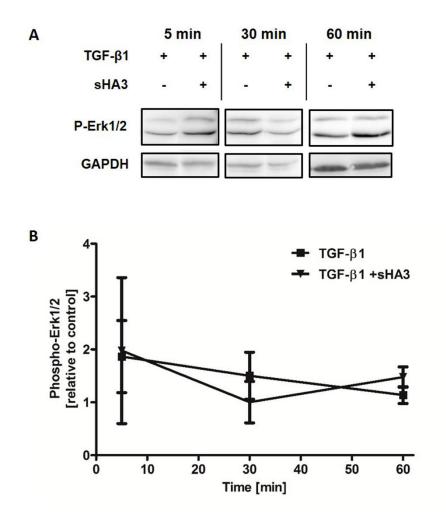
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Sulfated Hyaluronan Derivatives Modulate TGF-β1:Receptor Complex Formation: Possible Consequences for TGF- β1 Signaling

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Supplementary Figure S1. Binding of TGF- β 1 to immobilized T β R-II after pre-incubation with different GAG derivatives. (A) Schematic drawings of the experimental set-up. (B) Relative binding of 40 nM TGF- β 1 to T β R-II alone and after pre-incubation with 2 and 20 μ M D.U. of (B) HA, (C) sHA1 and (D) sHA2. One representative sensorgram out of three measurements is shown for each GAG derivative.



Supplementary Figure S2. Influence of sHA3 on the TGF- β 1-mediated Erk1/2 phosphorylation. Hs27 fibroblast cells were stimulated with 10 ng/ml TGF- β 1 (0.4 nM) alone or pre-formed complexes of TGF- β 1 and 100 µg/ml sHA3 (130 µM D.U.) for the indicated time points. Cells were lysed and applied to Western Blot analyses using specific anti-phospho-Erk1/2 and GAPDH antibodies. (A) For every time point a representative blot is shown. The time course of TGF- β 1-mediated phosphorylation in the presence and absence of sHA3 is plotted for (B) Erk1/2 phosphorylation relative to unstimulated cells.