Physicochemical and biological characterization of chitosan-microRNA nanocomplexes for gene delivery to MCF-7 breast cancer cells

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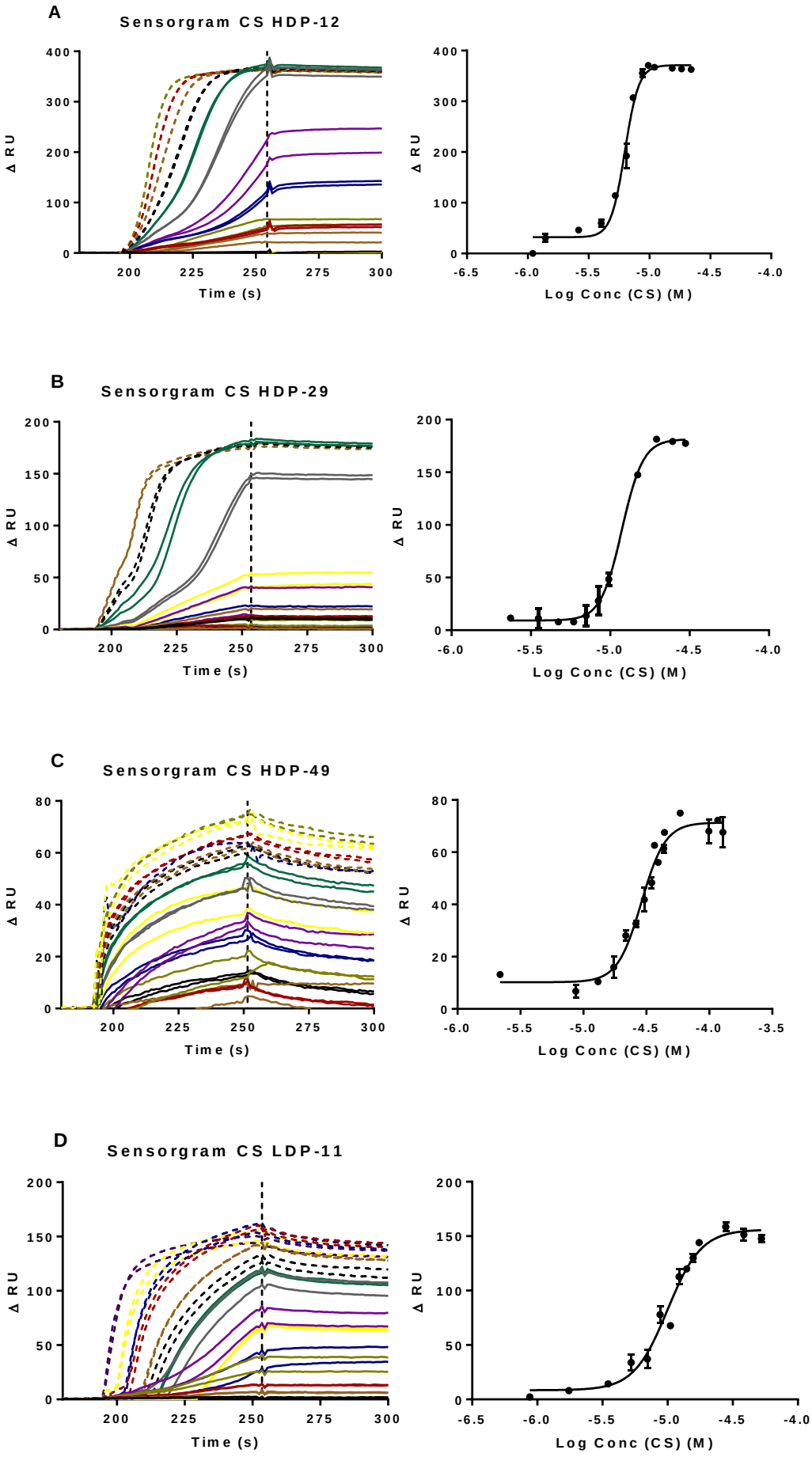
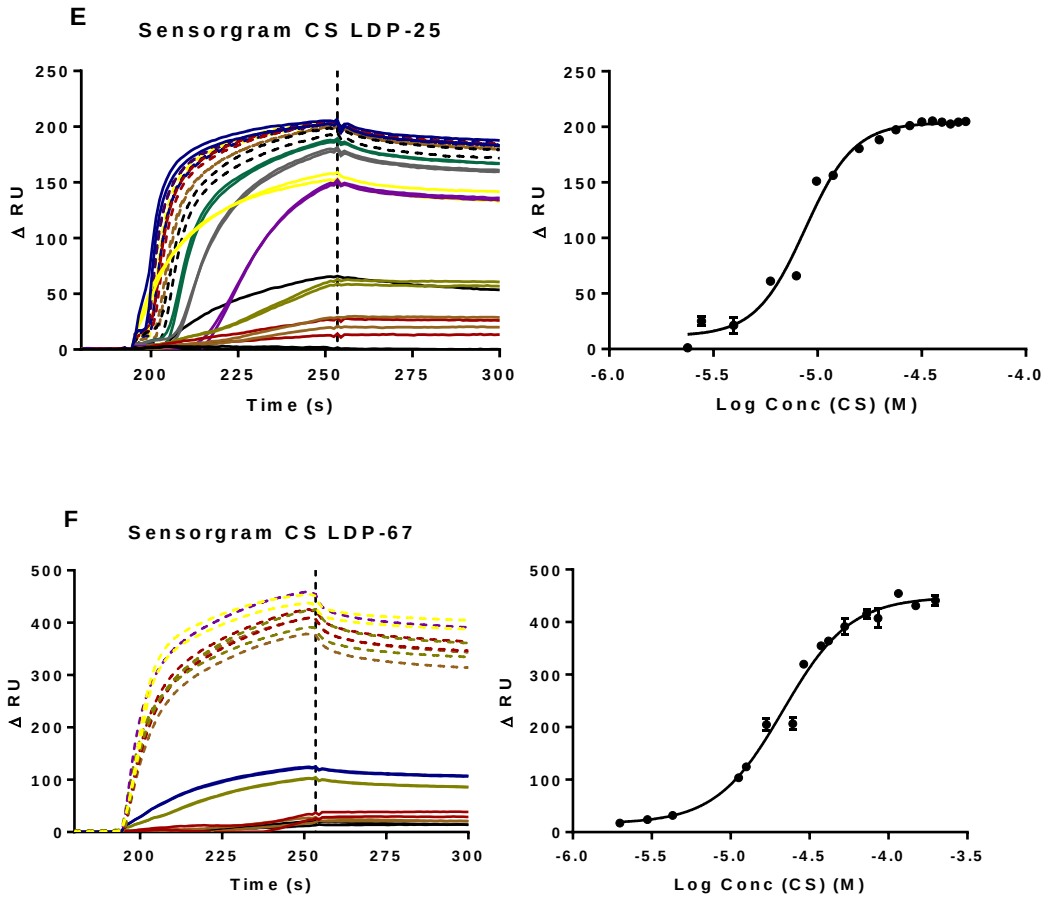
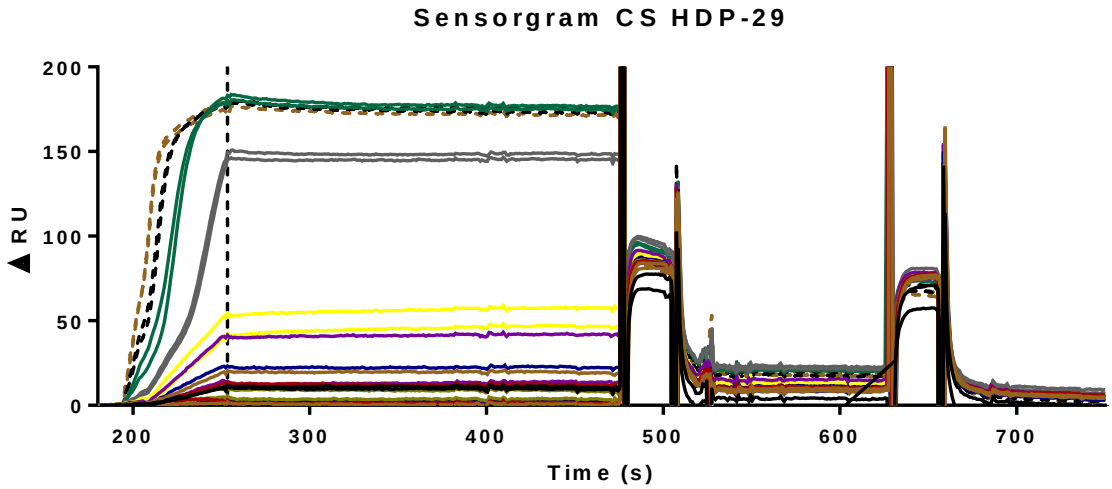

A
Sensorgram CS HDP-12
Δ RU
Time (s)
Log Conc (CS) (M)
B
Sensorgram CS HDP-29
Δ RU
Time (s)
Log Conc (CS) (M)
C
Sensorgram CS HDP-49
Δ RU
Time (s)
Log Conc (CS) (M)
D
Sensorgram CS LDP-11
Δ RU
Time (s)
Log Conc (CS) (M)



S1. Sensorgrams of different chitosans interacting with hsa-miR-5p on streptavidin sensor chip. Binding was analyzed in acetate buffer (pH=5.1) containing 10mM NaCl. Increasing concentrations of chitosan were injected over the surfaces for 20 s at 20 µL/min until the surface was saturated.



S2. Complete sensorgram with regeneration phases of CS HDP-29 interacting with hsa-miR-5p on streptavidin sensor chip. Binding was analyzed in acetate buffer (pH=5.1) containing 10mM NaCl. Increasing concentrations of chitosan were injected over the surfaces for 20 s at 20 µL/min until the surface was saturated.