

SUPPLEMENTARY MATERIAL

Real-time Monitoring of Biotinylated Molecules Detection Dynamics in Nanoporous Anodic Alumina for Bio-sensing

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Figure S1: ESEM images of NAA a) 50 nm pore diameter and b) 60 nm pore diameter

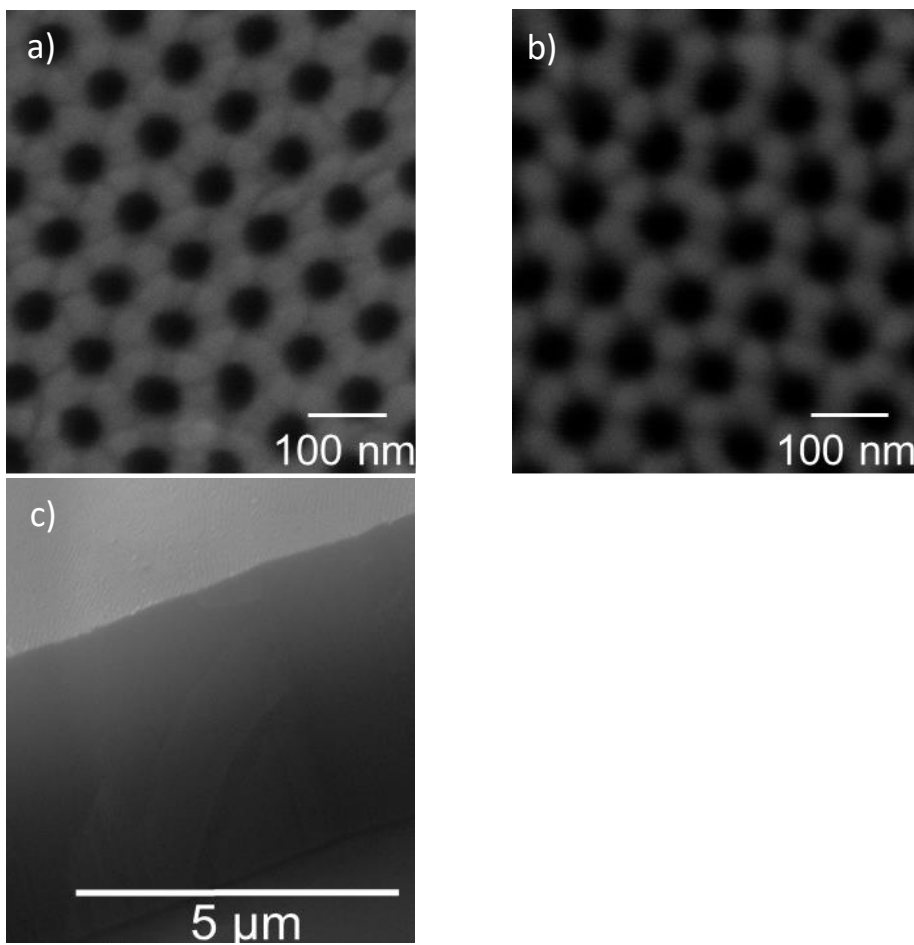


Figure S2: Registered change in EOT as a function of time for complete biotinylated thrombin attachment experiments for the different tested pore diameters. The different steps in the experiment are indicated in the graphs as numbers and correspond to: 1 = Streptavidin, 2 = PBS, 3 = PBS-T_BSA, 4 = PBS, 5 = Biotinylated thrombin, 6 = PBS. Figures a) and b) correspond to NAA with 50 nm pore diameter; figures c) and d) correspond to NAA with 60 nm pore diameter.

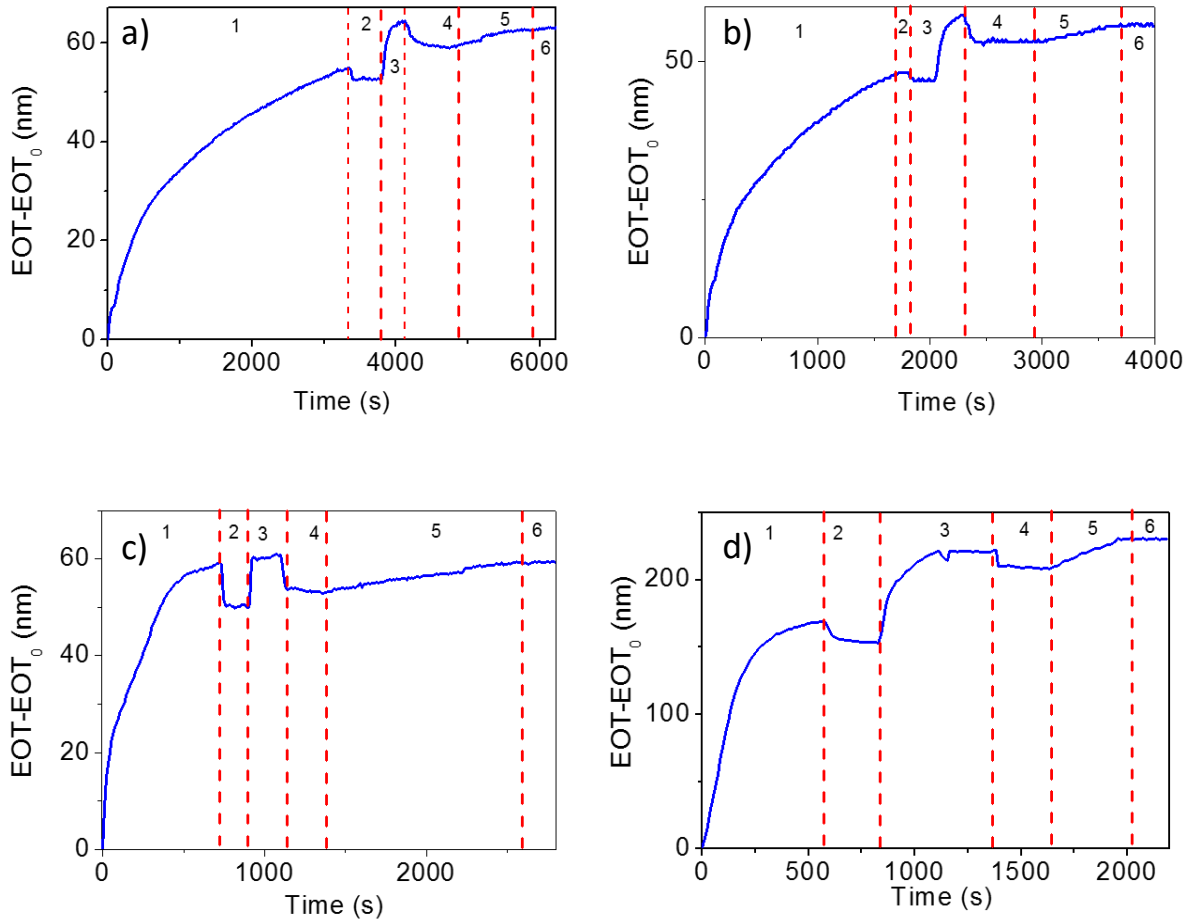


Figure S3: Registered change in EOT as a function of time for complete biotinylated thrombin attachment experiments for the different tested biotinylated thrombin concentrations. The different steps in the experiment are indicated in the graphs as numbers and correspond to:

1= Streptavidin, 2= PBS, 3= PBS-T_BSA, 4= PBS, 5= Biotinylated thrombin, 6= PBS.
Figures a) and b) correspond to 100 $\mu\text{g/ml}$; figures c) and d) correspond to 50 $\mu\text{g/ml}$;
figures correspond to e) and f) 20 $\mu\text{g/ml}$; figures g) and h) correspond to 10 $\mu\text{g/ml}$.

