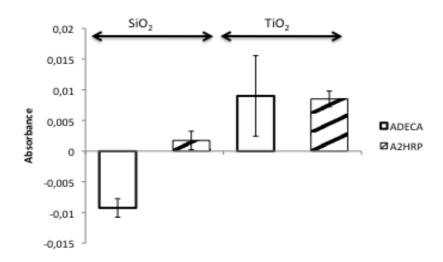
## Preparation of aqueous sol-gel silica and titania multi-layered thin films and their evaluation as biomolecular encapsulation hosts

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Electronic Supplementary Information

**ESI-1**. ADECA and A<sub>2</sub>HRP blank experiments using antibody-free silica and titania films

**ESI-2**. HRP immobilization in a  $TiO_2$  single layer (TiBALDH = 0.042 M) before and after washing



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**ESI-2**. HRP immobilization in a  $TiO_2$  single layer (TiBALDH = 0.042 M) before and after washing