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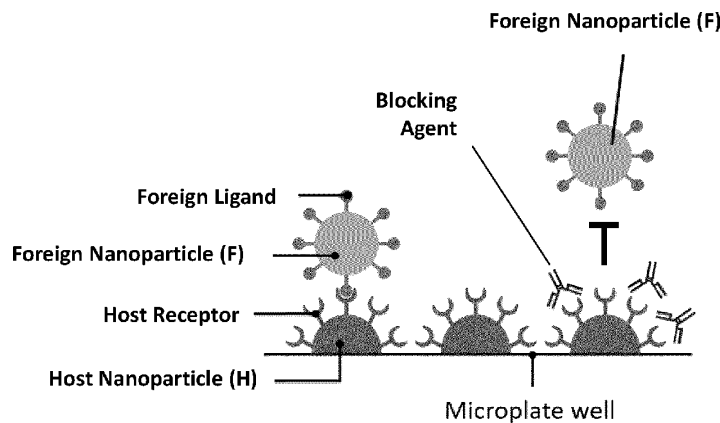
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(54) **Title:** SYSTEM, METHOD AND KITS FOR THE DETECTION OF BINDING AGENTS

Fig. 1B



(57) **Abstract:** Described herein are cell- free in vitro systems, methods, and kits relating to the detection of binding agents in a fluid sample that disrupt host-microbe interaction, fusion, and/or penetration. The systems, methods, and kits described herein include host nanoparticles expressing a surface receptor recognized by a foreign ligand, and foreign nanoparticles expressing the foreign ligand, wherein preincubation of either the host or foreign nanoparticles with the fluid sample decreases binding/ interaction between the host nanoparticles and the foreign nanoparticles when binding agents are present in the fluid sample.

[Continued on next page]

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