

Supporting Information:

Table S1. Nucleotide sequences for forming TDFM nanoprobe.

Name	Sequence (5'-3')
S1	ACATTCCTAAGTCTGAAACATTACAGCTTGCTACACGAGAAGAGCCGCCATAGTACTGAGGAC GAGCTCCATTAC
S2	TATCACCAGGCAGTTGACAGTGTAGCAAGCTGTAATAGATGCGAGGGTCCAATAC
S3	TCAACTGCCTGGTGATAAAACGACACTACGTGGGAATGTACTATGGCGGCTCTTC
S4	TTCAGACTTAGGAATGTGCTTCCCACGTAGTGTGTTTTGTATTGGACCCTCGCAT
MB	CY5-ACTGCCTGTCTGTGCCTGCTGTGGCAGT/iDabcyldT/TTTT-GTAATGGAGCTCGTCCTCAG

Figure S1. Analysis of some possible self-assembled products by 8% N-PAGE.

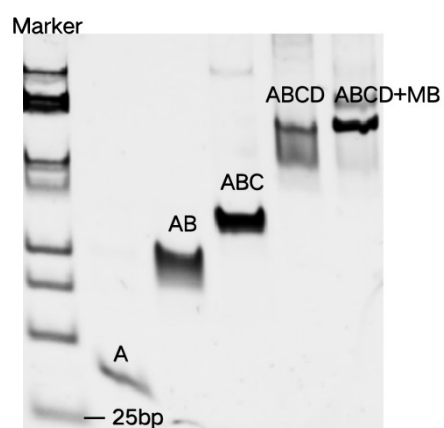


Figure S2. Schematic diagram of MB structure.

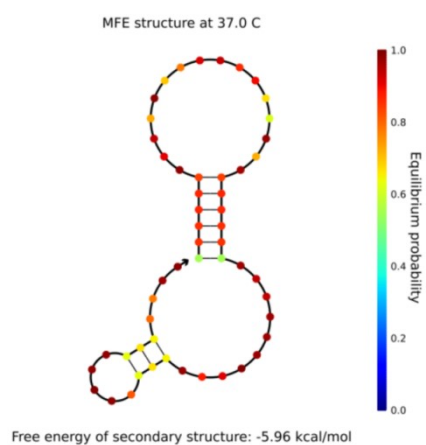


Figure S3. Mean grayscale intensity under different incubation times.

