

Figure S1. The principle of biomolecule detection by nanopores.

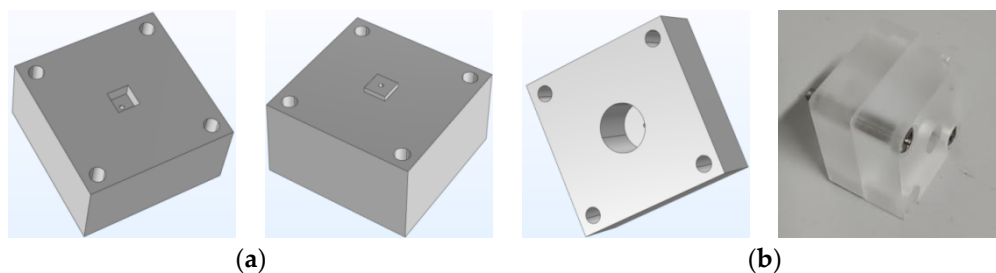


Figure S2. (a) The structure diagram of the flowcell (b) The flowcell used in the experiment.

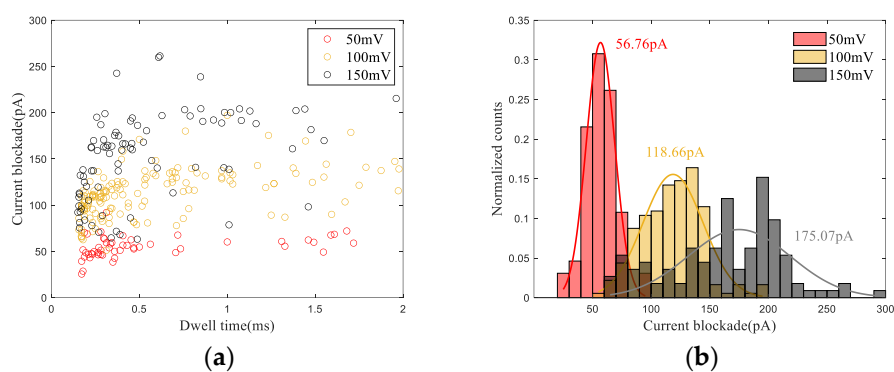


Figure S3. Statistics of DNA translocation at different voltage(50mV,100mV,150mV). (a) scatter diagram with current blockade and dwell time (b) histogram of current blockade.

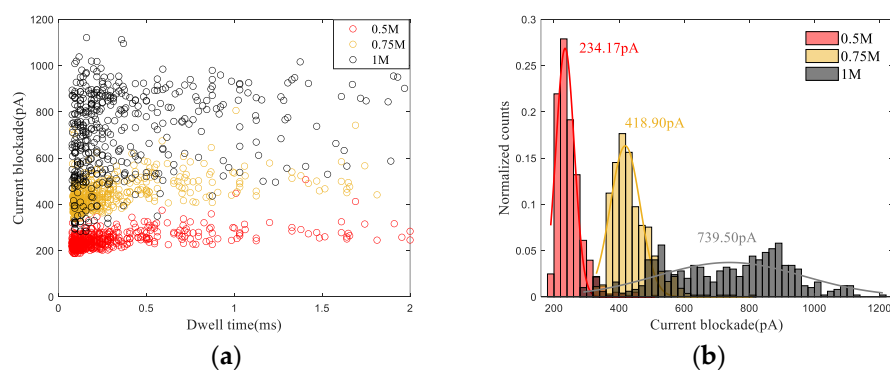


Figure S4. Statistic data of DNA translocation at different KCl concentration (0.5M,0.75M,1M). (a) scatter diagram with current blockade and dwell time (b) histogram of current blockade.