

Figure S1. Characteristics of AgNPs. (A) TEM images of AgNPs show that 5 nm and 100 nm nanoparticles are relatively uniform in size and well distributed. Scale bar: 200 nm. (B) DLS analysis by number reveals mean sizes are 5.5 nm for 5 nm AgNPs and 83.4 nm for 100 nm AgNPs. For DLS analysis, AgNPs were dispersed in RPMI 1640 containing 1% FBS.

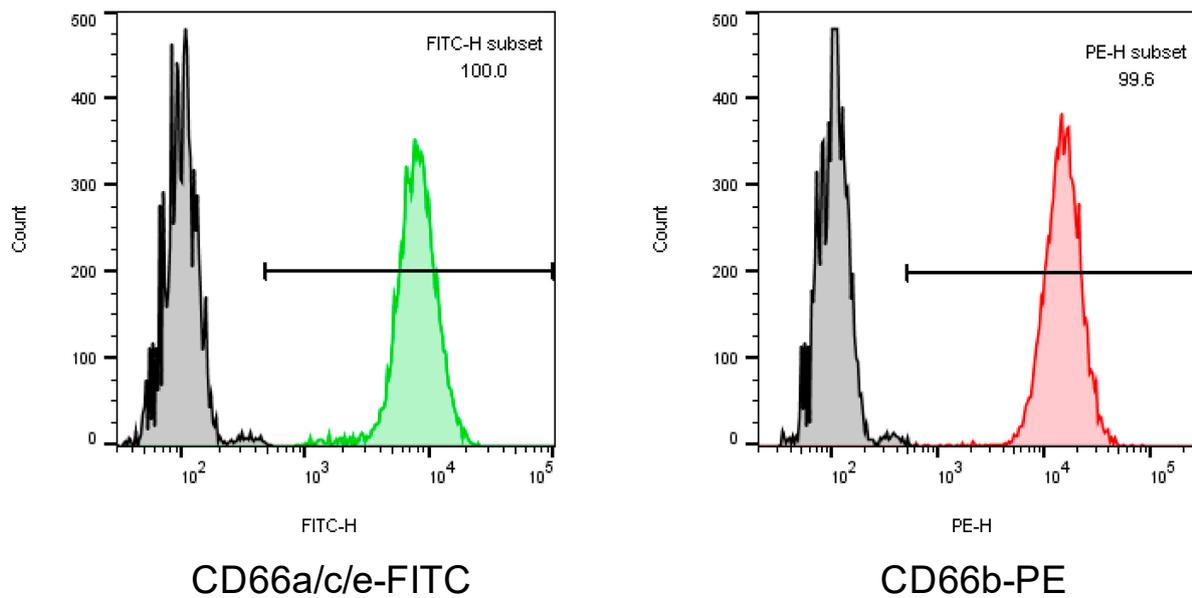


Figure S2. Purity of isolated neutrophils. Isolated human neutrophils were stained CD66a/c/e and CD66 b antibody and analyzed by flow cytometry. The purity of neutrophils more than 95%.

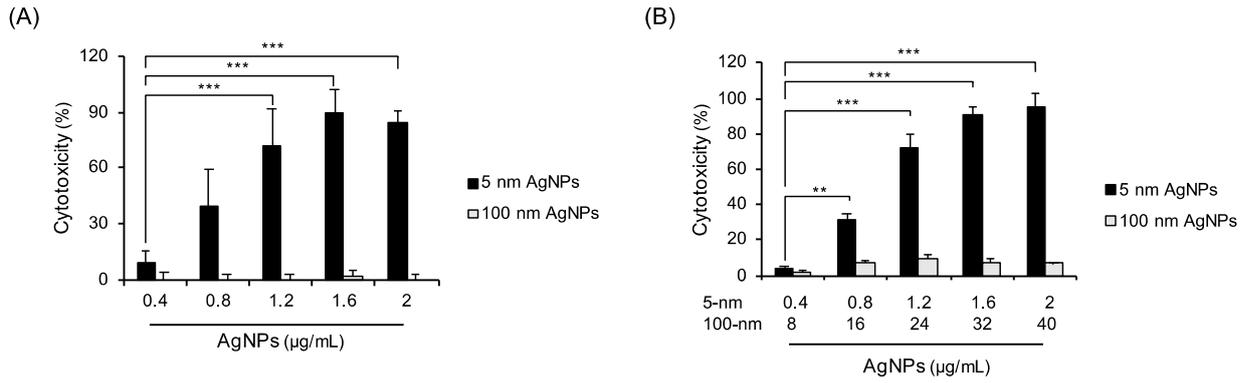


Figure S3. Cytotoxicity of AgNPs in human neutrophils. Human neutrophils were treated with AgNPs for 4 h, and cytotoxicity was measured with the LDH assay. **(A)** Cytotoxicity was measured at the same concentration for both 5 nm and 100 nm AgNPs. The LD₅₀ of the 5 nm AgNPs was 0.93 µg/mL. **(B)** Cytotoxicity was measured at different concentrations that provided the same surface area. One-way ANOVA was used to determine the significance (** $p < 0.01$, *** $p < 0.001$).

Table 1. PCR primers used in this study.

Primer	Sequence (5'-3')
Mitochondrial genes	
<i>MT-ND1</i>	Forward: GCA TTC CTA ATG CTT ACC GAA C Reverse: AAG GGT GGA GAG GTT AAA GGA G
<i>MT-CYB</i>	Forward: GAC CCA GAC AAT TAT ACC CTA GCC Reverse: CCT CCG ATT CAG GTT AGA ATG AGG
Nuclear genes	
<i>GAPDH</i>	Forward: AGG GCC CTG ACA ACT CTT TT Reverse: AGG GGT CTA CAT GGC AAC TG
<i>FAS</i>	Forward: TCA CCA CTA TTG CTG GAG TCA T Reverse: TAA ACA TCC TTG GAG GCA GAA T