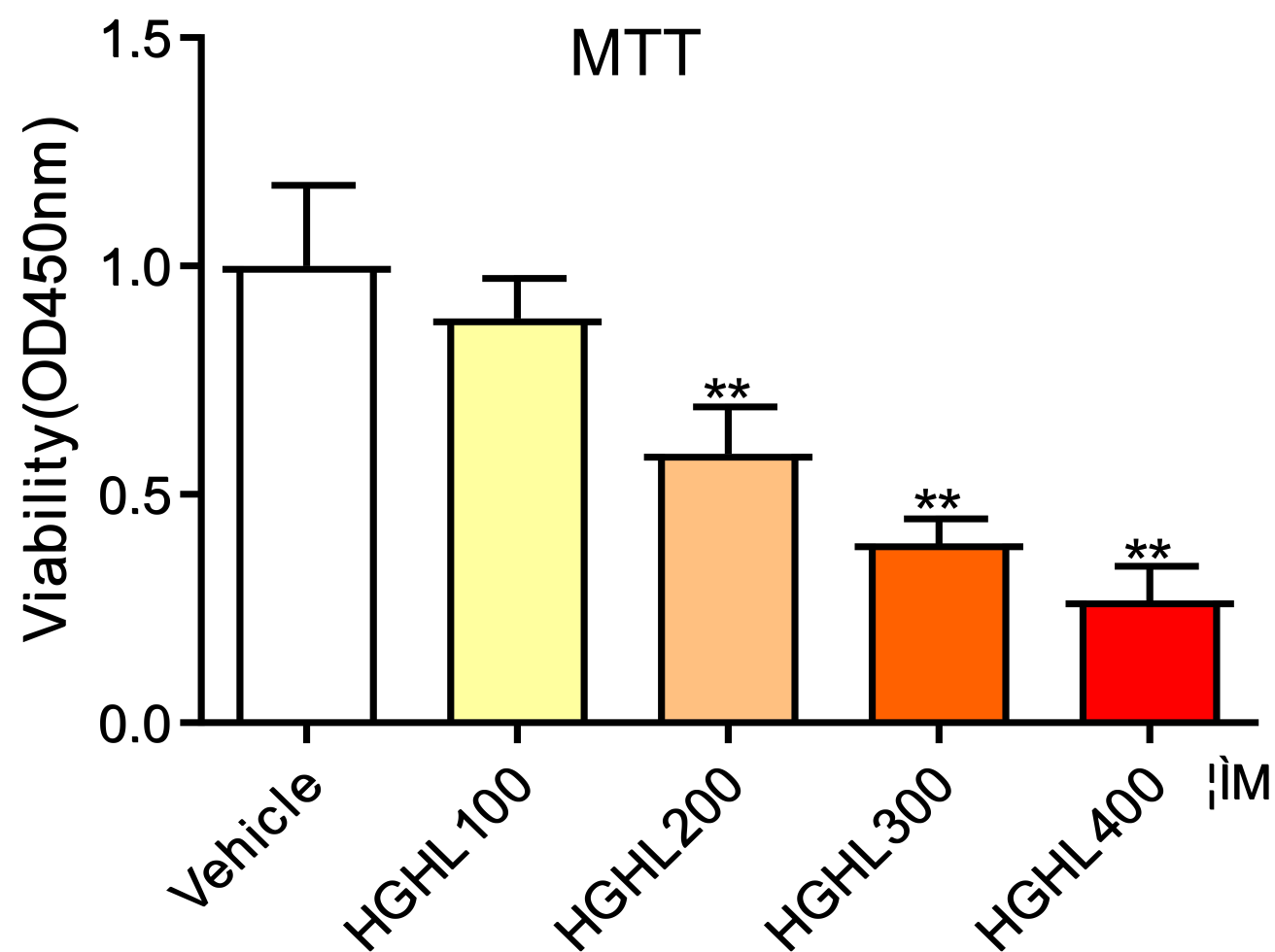


Supplemental Figure 1. Induction of type 2 diabetic mice model. *Apoe*^{-/-} mice were fed with HFD for 12 weeks to induce type 2 diabetes mice model. **A** The fasting glucose level. **B** Body weight graph exhibited obesity at 12 weeks for the HFD group. **C** IPGTT exhibited abnormal blood glucose tolerance. **D** IPITT exhibited insulin resistance. n=10. ***p* < 0.01, **p* < 0.05 vs. ND. Data were expressed as mean ± SD. ND, normal diet; HFD, high-fat diet; IPITT, Interaperitoneal insulin tolerance test; IPGTT, Intraperitoneal glucose tolerance test.



Supplemental Figure 2. HGHL resulted in decreased vascular endothelial cell viability in a dose-dependent manner.

MTT exhibited cell viability of HUVECs treated with vehicle or different doses of HGHL (D-glucose: 25mM; palmitate: 100-400μM). n=5. **p < 0.01 vs. vehicle. Results were expressed as mean \pm SD. HUVEC, human umbilical vein cells; HGHL, high glucose and high lipid.