

Supplementary Materials

Table S1. Primer sequence of target gene

| Target gene | Primer sequence |
|----------------|---|
| Nrf2 | Forward AAGCACAGCCAGCACATTCTCC Reverse TGACCAGGACTCACGGGAAGCTTC |
| HO-1 | Forward TGGGTTCTGCTTGTTTCGCTCTATC Reverse CAGGTGTCCAGGGAAGGCTTTAAG |
| NF- κ B | Forward TGTGGTGGAGGACTTGCTGAGG Reverse AGTGCTGCCTTGCTGTTCTTGAG |
| TGF- β 1 | Forward CTGGCACTGCTTCCCGAATGTC Reverse GACCGCAACAACGCAATCTATGAC |
| β -actin | Forward GCTGTGCTATGTTGCCCTAGACTTC Reverse GGAACCGCTCATTGCCGATAGTG |

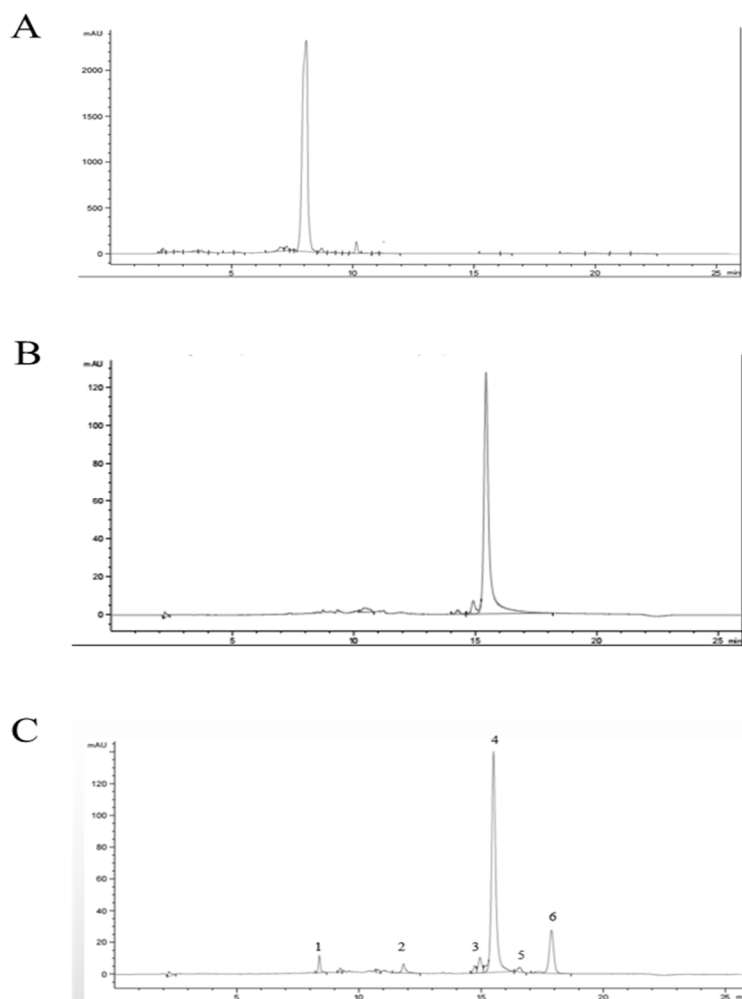


Figure S1. HPLC-VWD chromatogram at 450 nm of lutein (A), lycopene (B) and tomato extract (C).

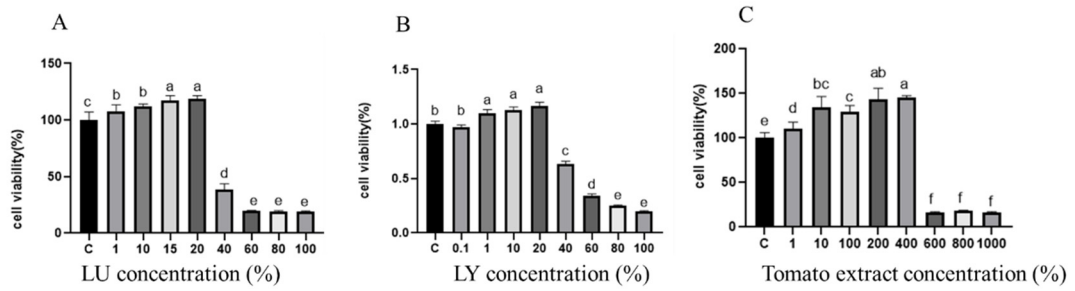


Figure S2. The viability effect of lutein, lycopene and tomato extract on H9c2 cells. A is the effect of different concentrations of lutein on H9c2 cell viability. B is the effect of different concentrations of lycopene on H9c2 cell viability. C is the effect of different concentrations of tomato extract on H9c2 cell viability. The horizontal coordinate C indicates the control group. Different letters (a, b, c, d, e, f) indicate significant differences between groups ($p < 0.05$).