

Table 3 Antioxidative effects of GLP, GLP1 and GLP2 in mice

Groups	I (NC)	II (DM)	III (GLP)	IV (GLP1)	V (GLP2)	VI (PC)
Serum						
SOD (U/mL)	304.11±38.80	123.54±4.48 ^a	331.46±7.55 ^b	352.47±8.26 ^b	216.55±22.35 ^b	247.08±25.39 ^b
GSH-Px (U/mL)	409.23±8.70	349.23±6.53 ^a	353.85±4.13	392.47±8.26 ^b	385.55±16.26 ^b	398.46±2.18 ^b
T-AOC (U/mL)	8.52±0.69	7.91±0.52	9.26±1.21 ^b	11.14±0.46 ^b	8.45±0.82	9.86±0.17 ^b
MDA (nmol/mL)	5.15±0.29	7.03±0.38 ^a	4.12±0.55 ^b	4.81±0.72 ^b	5.15±0.23 ^b	5.41±0.86 ^b
Kidney						
SOD (U/mg protein)	90.16±7.96	46.56±3.98 ^a	62.86±4.29 ^b	66.49±5.85 ^b	54.68±25.05 ^b	63.30±3.25 ^b
GSH-Px (U/mg protein)	423.61±9.82	407.99±2.46 ^a	497.53±24.12 ^b	565.95±14.28 ^b	410.16±8.05	531.25±49.10 ^b
T-AOC (U/mg protein)	3.26±0.31	1.52±0.05 ^a	2.42±0.65 ^b	3.01±0.26 ^b	2.26±0.11 ^b	2.52±0.21 ^b
MDA (nmol/mg protein)	5.12±0.26	6.71±0.34 ^a	4.45±0.24 ^b	4.55±0.32 ^b	5.04±0.41 ^b	5.29±0.08 ^b
Liver						
SOD (U/mg protein)	95.36±4.42	53.84±24.4 ^a	57.39±16.38	60.48±22.30 ^b	56.94±19.58	64.43±6.85 ^b
GSH-Px (U/mg protein)	265.63±15.78	262.28±1.58	312.36±10.45 ^b	364.08±10.52 ^b	295.02±12.45 ^b	302.46±1.58 ^b
T-AOC (U/mg protein)	5.24±1.77	5.19±0.34	6.41±0.55 ^b	8.08±1.47 ^b	6.28±0.22 ^b	6.24±0.64 ^b
MDA (nmol/mg protein)	5.51±0.22	7.42±0.57 ^a	4.18±0.38 ^b	3.25±0.12 ^b	5.28±0.45 ^b	3.09±0.09 ^b

Note: Values are expressed as mean ± SD (n=10). One-way ANOVA with repeated measures followed by Duncan's multiple rang tests were used to calculate statistical significance.

^a Indicates statistical significance ($P < 0.05$) compared to the Normal Control group.

^b $P < 0.05$ compared to the Diabetic Model group.