of CuZnSOD remained unchanged, whereas MnSOD showed a dose-dependent decrease after incubation with vitamin C at different concentrations (Table 1). These data were compatible with patterns of SOD ac-

Table 1. Changes of SOD-mRNA (%) in PC-12 Cells after 2 and 7 Days of Incubation with Vitamin C

	2 days				7 days			
Vitamin C	0 μM	50 μM	100 μM	200 μM	0 μM	50 μM	100 μM	200 μM
CuZnSOD	100	99.2± 6.2	101.2 ± 8.9	100.5 ± 9.9	100	97.9 ± 6.0	98.1 ± 5.0	98.7 ± 6.4
MnSOD	100	84.3 ± 6.4**	76.7 ± 6.8**	68.8 ± 5.6***	100	80.5 ± 5.6**	72.6 ± 6.4**	64.5 ± 5.8***

Data are expressed as the mean ± SE (n=10). *$p < 0.05$; **$p < 0.01$; ***$p < 0.001$ (compared with 0 μM vitamin C).

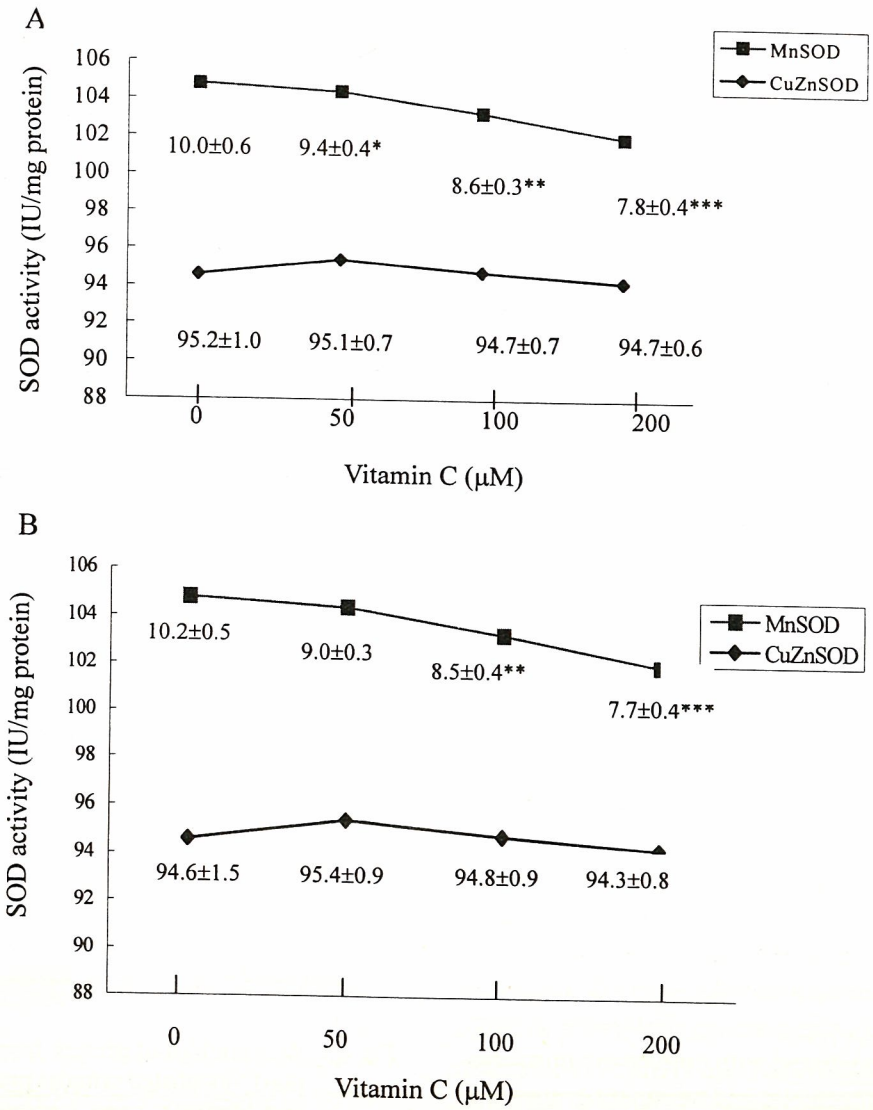

Fig. 2A. Changes of activity of SOD (IU/mg protein) after 2 days of incubation with vitamin C (0, 50, 100, 200 μM). Each point represents the mean ± S.E.M. of 10 experiments. *$p<0.05$, **$p<0.01$, ***$p<0.001$ (compared with 0 μM vitamin C).

Fig. 2B. Changes of activity of SOD (IU/mg protein) after 7 days of incubation with vitamin C (0, 50, 100, 200 μM). Each point represents the mean ± S.E.M. of 10 experiments. *$p<0.05$, **$p<0.01$, ***$p<0.001$ (compared with 0 μM vitamin C).