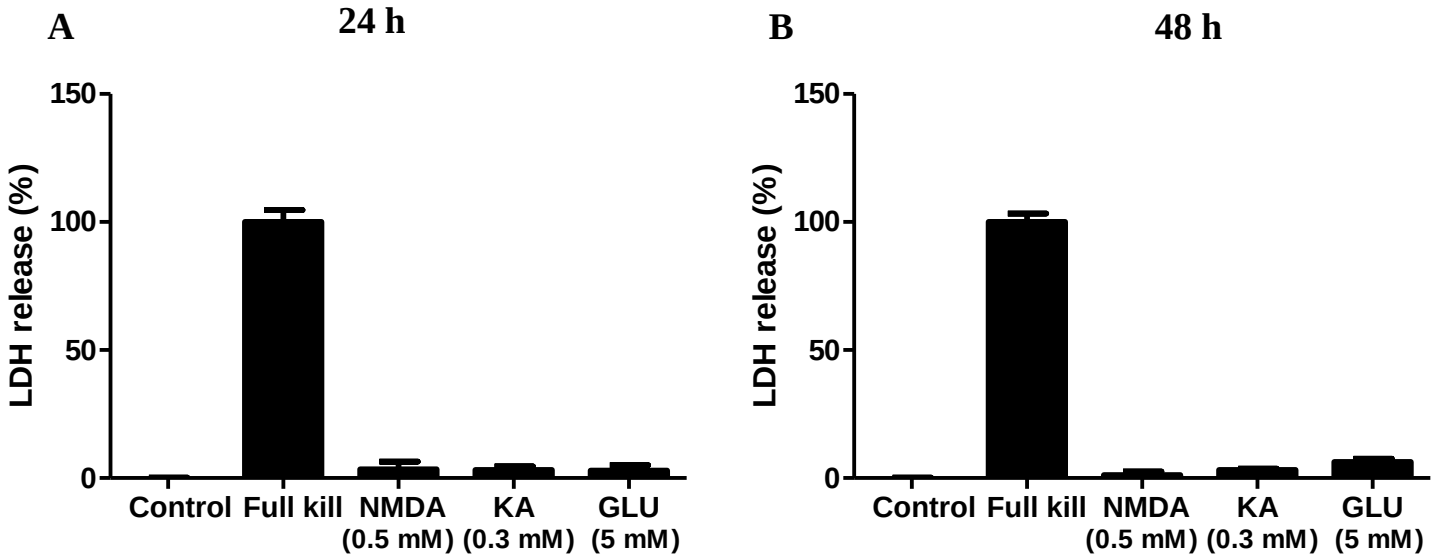
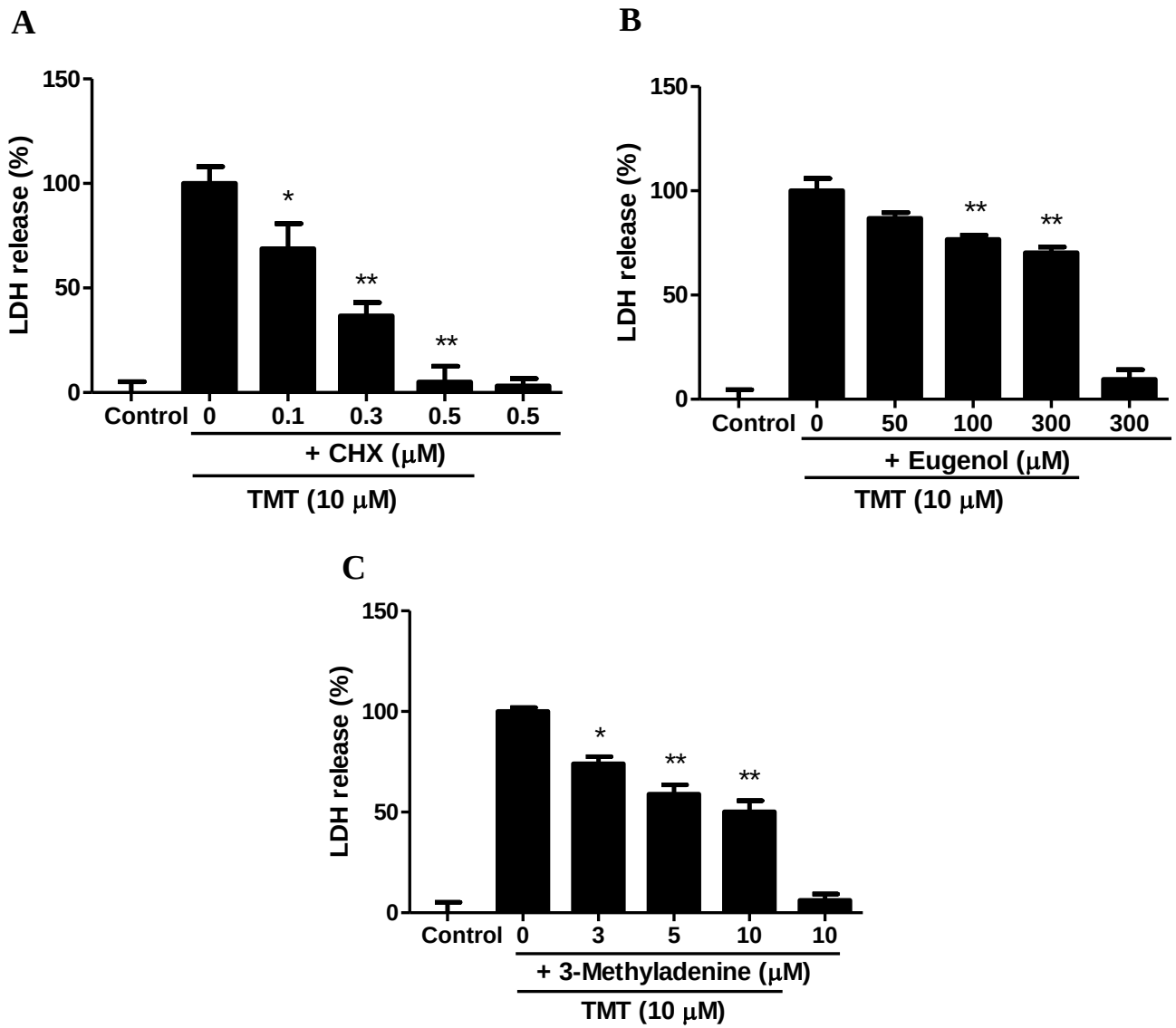
Supplemental Figure S1

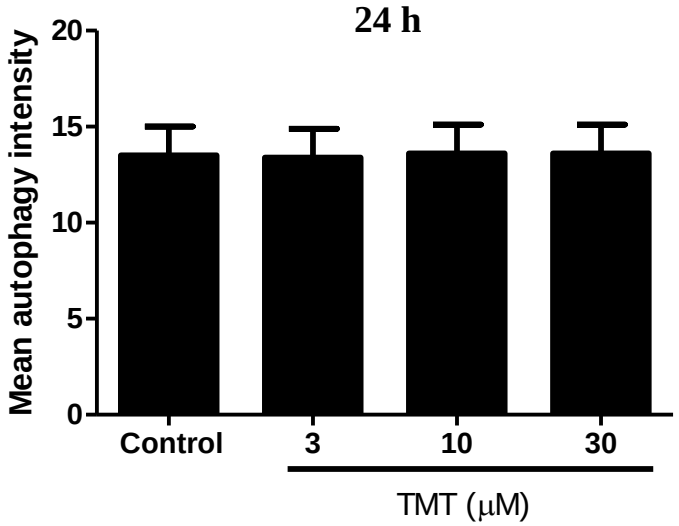


Supplemental Figure S2

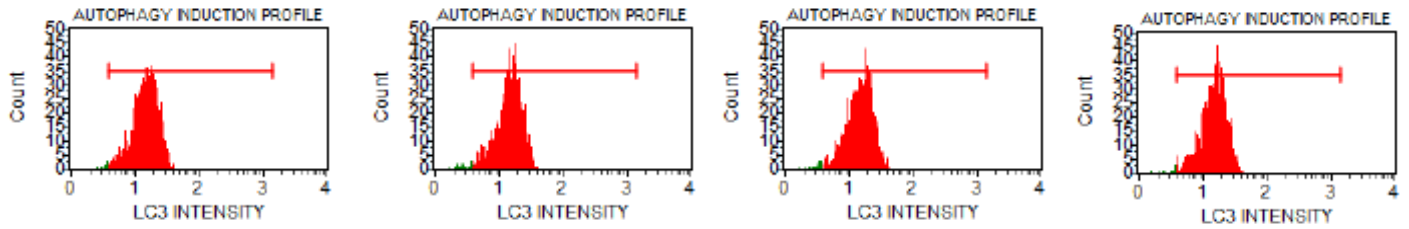


Supplemental Figure S3

A

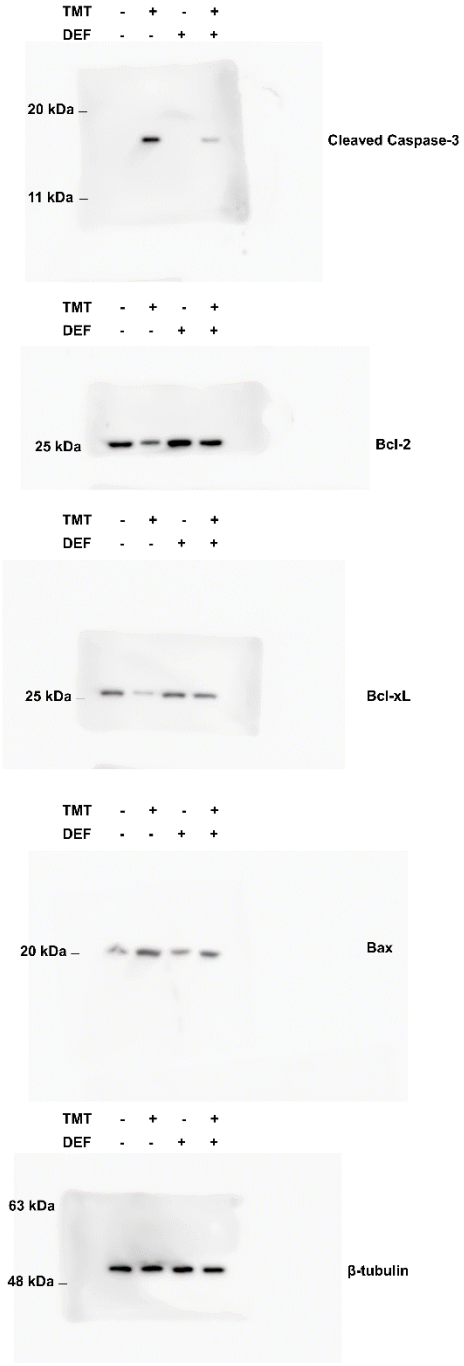


B



Control **TMT (3 μM)** **TMT (10 μM)** **TMT (30 μM)**

Supplemental Figure S4



Legends of supplemental Figures

Figure S1. Excitotoxicity induced by NMDA (0.5 mM), KA (0.3 mM), and glutamate (5 mM) was not present at 24 h and 48 h after TMT treatment in SH-SY5Y cells. Cytotoxicity was evaluated using a LDH release assay. Data represents the mean ± SEM. Experiments were performed at least three times, with similar results.

Figure S2. New protein synthesis inhibitor, cycloheximide (CHX), phenylpropanoid compound of clove oil, eugenol and autophagy inhibitor, 3-methyladenine attenuate TMT-induced toxicity in SH-SY5Y cells. Data represents the mean ± SEM. *p<0.05 and **p<0.01 compared to 10- μM TMT-treated group (n=4). Experiments were performed at least three times, with similar results.

Figure S3. Effects of TMT on autophagic LC3 intensity in SH-SY5Y cells. Mean autophagy intensity did not alter at the 3, 10, 30 μM concentration of TMT at 24 h (A). Representative flow cytometry data showed in B. Data represents the mean ± SEM. Experiments were performed at least three times, with similar results.

Figure S4. Whole western blot photos of cleaved caspase-3, Bcl-2, Bcl-xL, and Bax assays induced by 10 μM TMT with or without 100 μM deferoxamine in SH-SY5Y cells. β-tubulin was used as a control. DEF : deferoxamine.