Supplemental Figure 1. MTG fluorescence changes are independent of mitochondrial membrane potential levels in immortalized cortical neurons. Naïve cells were loaded with MTG and TMRM during 30 min, and then were exposed to 10 μM FCCP to determine changes in mitochondrial potential levels. (A) Confocal representative images of untreated and FCCP treated cells that show MTG fluorescence levels are not affected by mitochondrial potential loss induced by FCCP. (B) Representative trends from 3 independent experiments that show a significant decrease in TMRM fluorescence levels and not significant changes in MTG levels in naïve cells. (C), data are mean ± S.E. (bars) from three separate experiments. *p < 0.05 compare to untreated naive cells. Bar scale represents 10 μm.
S. Fig. 1

**A**
- MTG Control
- FCCP

**B**
- Graph showing the effect of FCCP on Naive Cells.
- Y-axis: ΔF/F (Naive Cells)
- X-axis: Time (sec)
- Legend: MTG, TMRM
- Arrow indicating 10 μM FCCP

**C**
- Bar graph showing ΔF/F for MTG and TMRM.
- Control and 10 μM FCCP conditions compared.
- Bars with error bars

Figures showing fluorescence imaging with MTG (green) and TMRM (red) control and FCCP treatment.