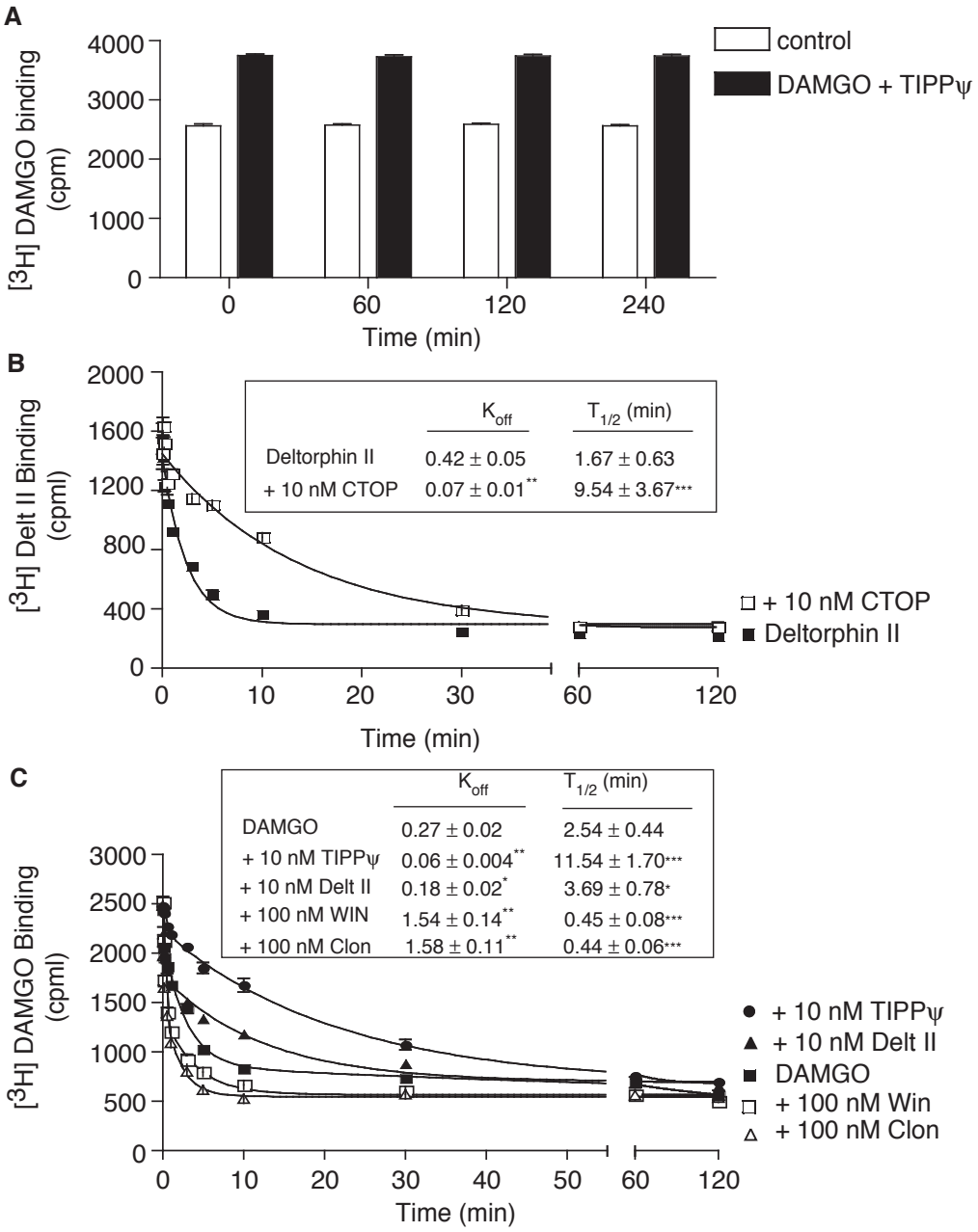
Title: G-protein coupled receptor heteromerization: A role in allosteric modulation of ligand-mediated receptor binding
Authors: Ivone Gomes, Adriaan P. IJzerman, Kai Ye, Emeline L. Maillet, Lakshmi A. Devi
Journal: Molecular Pharmacology



Supplemental Figure 3. Dissociation kinetics of radiolabeled ligand at μOR-δOR heteromers. (**A**) SK-N-SH whole cells endogenously expressing μOR and δOR in a ratio of 2:1 were incubated with 10 nM [^{3}H]DAMGO in the absence or presence of 10 nM of TIPPψ for 1 h at 37^{O}C. The plates were then kept on ice for different time intervals and bound radioactivity was measured as described in methods. (**B**)SK-N-SH whole cells endogenously expressing μOR and δOR in a ratio of 2:1 were incubated with 6 nM [^{3}H]Deltorphin II for 1 h at 37^{O}C. The supernatant was removed, the plates were kept on ice, and cells were incubated with cold 1 μM Deltorphin II in the absence or presence of 10 nM of the μOR antagonist, CTOP, for different time intervals (0-120 min) as described in Materials and Methods. (**C**) The effect of TIPPψ, Deltorphin II (10 nM) clonidine or WIN (100 nM) on the dissociation of [^{3}H]DAMGO bound to μOR-δOR in the presence of 1 μM DAMGO was determined in SK-N-SH cells and ligand binding determined as described in Materials and Methods. Data analyzed using Prism version 4.0 represent Mean ± SEM (n=3).*p<0.05; **p<0.01, Dunnett's test