SUPPLEMENTARY FIGURE LEGENDS

Figure S1. Inhibitors of Ca^{2+} channels and/or Ca^{2+} mobilizing proteins have no cytotoxic effects on LAD2 human mast cells. LAD2 cells were incubated with increasing concentration of SKF (0, 30, 100 μ M), YM (0, 0.3, 1 μ M), Nifedipine (0, 0.1, 0.3 μ M), or A425619 (0, 0.01, 0.03 μ M) for 24hr. Viable cells were enumerated using trypan blue staining and a hemocytometer. Bar graph shows percent cell viability as compared to PBS treatment (vehicle). The results are expressed as the mean \pm S.E. values of 3 independent experiments.

Figure S2. SOCE inhibition attenuates Ca²⁺ mobilization to different MRGPRX2 agonists in RBL-2H3 cells stably expressing MRGPRX2. (**A**) Histograms show MRGPRX2 expression in wild type RBL-2H3 (RBL-2H3 WT), RBL-2H3 cells stably expressing MRGPRX2 (RBL-2H3 MRGPRX2) and flow sorted RBL-2H3 MRGPRX2 cells. (**B**) Both the RBL-2H3 WT and sorted RBL-2H3 MRGPRX2 cells were treated with vehicle (PBS) or SKF (30 μM), and Ca²⁺ mobilization assays were performed following incubation with compound 48/80 (C 48/80), substance P (Sub P), LL-37 and CST-14. Data shown are mean ± S.E. of 3 independent experiments. Statistical significance was determined by two-way ANOVA. * p <0.05.