

Supplementary Table 2**Effect of S1P₂ plasmid dilution of apparent E_{max} and EC₅₀**

EC₅₀ values and E_{max} values were determined in RH7777 cells transiently transfected with Gαq protein plus different ratios of FLAG-S1P₂ to pcDNA3.1 empty vector. E_{max} values are normalized to the maximal Ca²⁺ response in cells transfected with 100% FLAG-S1P₂ plasmid. *na*, not activated.

S1P ₂ :Vector (μg S1P ₂)	EC ₅₀ (nM)	Relative E _{max}	Percentage of anti-FLAG stained cells
1:0 (6 μg)	17	100%	18%
2:1 (4 μg)	16	99%	15%
1:1 (3 μg)	13	98%	13%
1:2 (2 μg)	13	104%	12%
1:5 (1 μg)	11	99%	8%
0:1 (0 μg)	<i>na</i>	<i>na</i>	2%