KINETIC AND STRUCTURAL INVESTIGATIONS OF THE ALLOSTERIC SITE IN HUMAN EPITHELIAL 15-LIPOXYGENASE-2[†]

Aaron T. Wecksler,[1] Victor Kenyon,[1] Natalie K. Garcia,[1] Joshua D. Deschamps,[2] Wilfred A. van der Donk,[3] and Theodore R. Holman[1,]*

Supporting Information

Figure S1

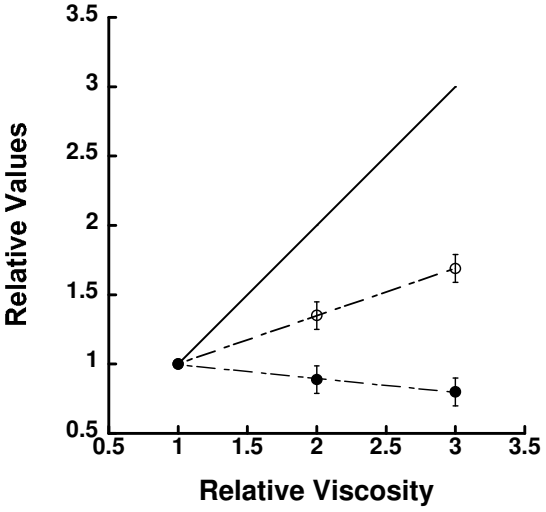

Figure S1. Effect of viscosity on the reaction with AA at 20 ºC. The slope of the line is 0.345 (± 0.02) and -0.10 (± 0.01) for k_{cat}/K_m (open circles) and k_{cat} (close circles), respectively. Solid line is the theoretical behavior for a fully-diffusion controlled reaction. Enzymatic assays performed in 25 mM HEPES (pH 7.5).

Figure S2

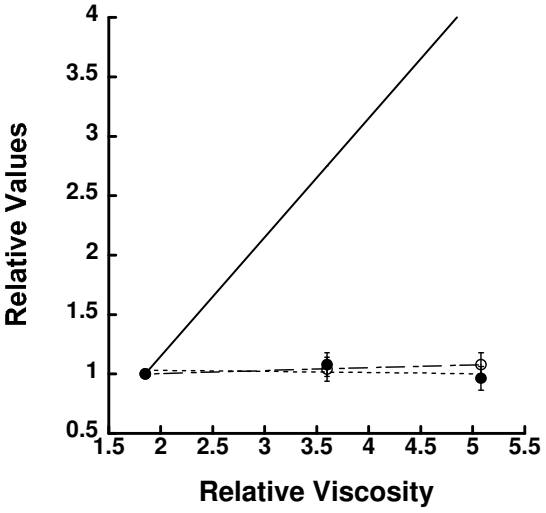

Figure S2. Effect of viscosity on the reaction with AA at 5 ºC. The slope of the line is 0.025 (± 0.003) and -0.010 (± 0.002) for k_{cat}/K_m (open circles) and k_{cat} (close circles), respectively. Solid line is the theoretical behavior for a fully-diffusion controlled reaction. Enzymatic assays performed in 25 mM HEPES (pH 7.5).