



**Figure S1.** S1P<sub>1</sub> selective antagonist suppresses migration of human Sk-MCs toward S1P and Ag. Sk-MCs were stimulated with vehicle, 100 nM S1P, or 1 μM ionomycin, or sensitized overnight with IgE, and then stimulated with 30 ng/ml Ag for 2 h. Where indicated, Sk-MCs were pretreated for 30 min with vehicle, 1 μM W146, or W140 before stimulation. Degranulation (a) and secretion of CCL2 (b), IL-6 (c), and TNF (d) were measured. (e) Duplicate cultures were allowed to migrate in transwell chambers toward vehicle, 100 nM S1P, 30 ng/ml Ag, or 20 μg/ml fibronectin for 24 h. Data are expressed as the percentage of migrating cells and are the means ± SD of triplicate determinations. Similar results were obtained in three independent experiments. \*, P < 0.01.