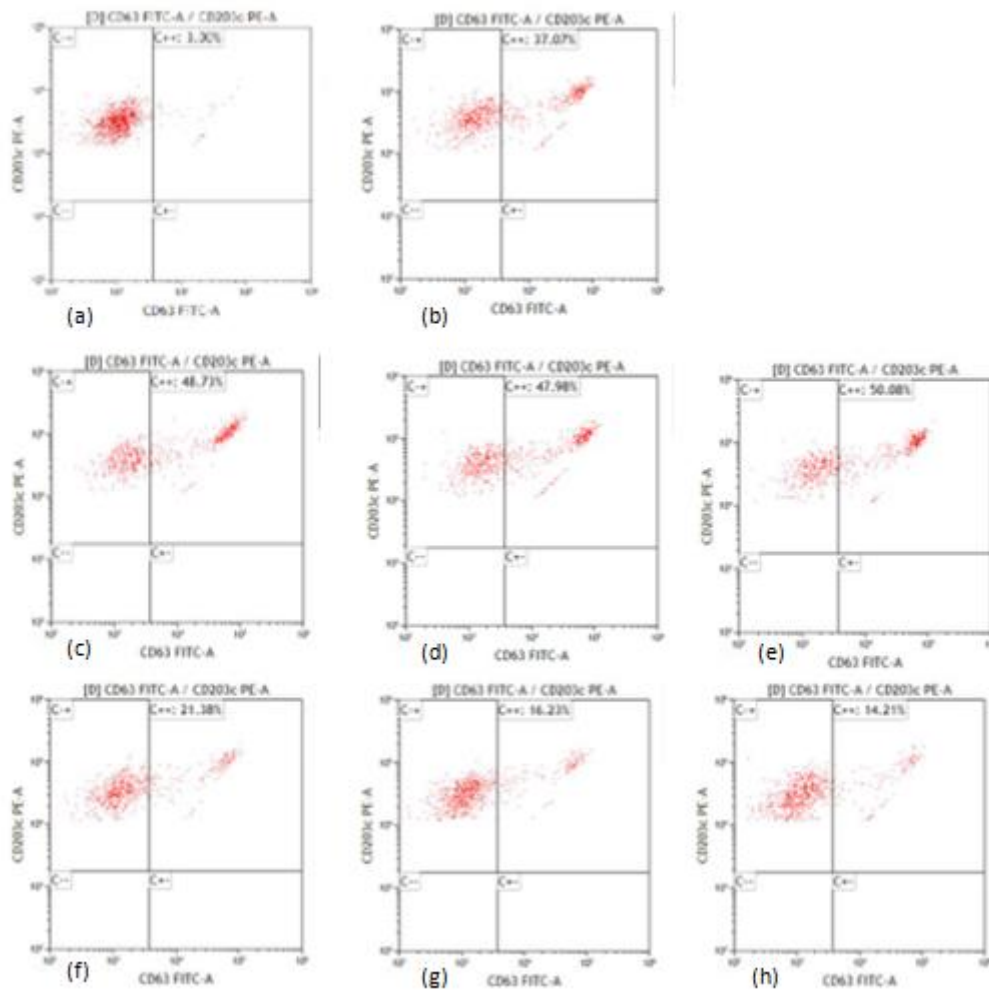


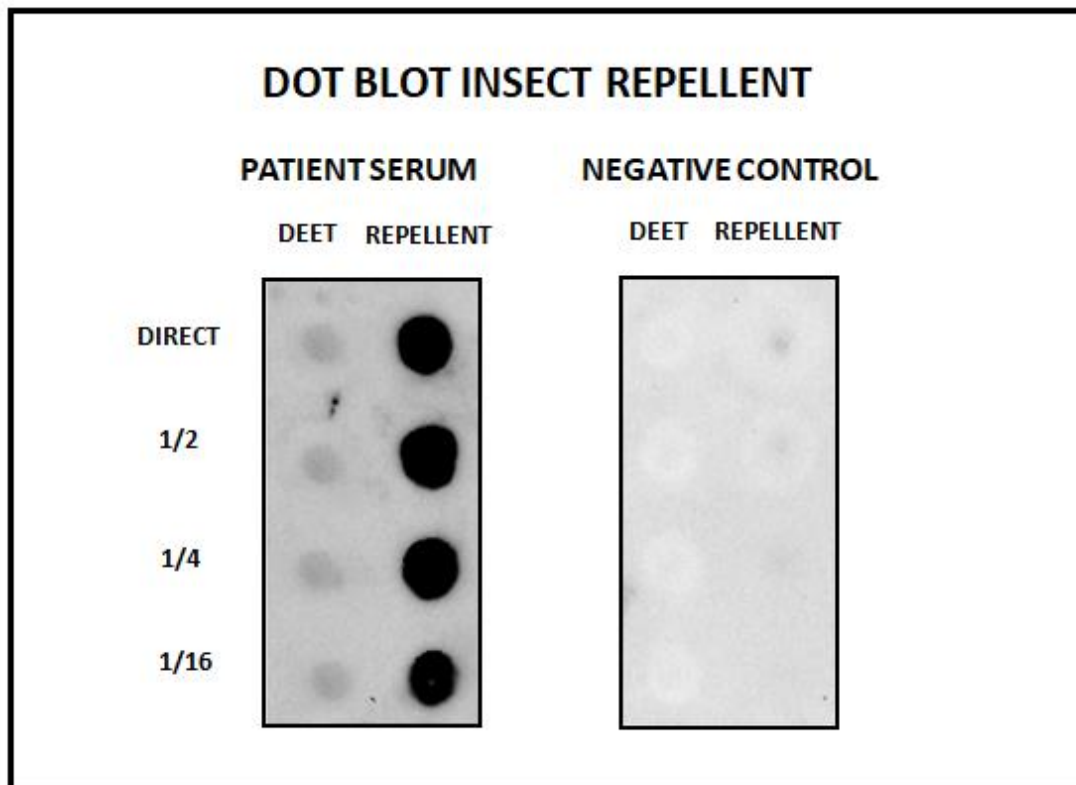
## SUPPLEMENTARY MATERIAL

Figure 1. BAT with DEET and Medcell®.



The C++ quadrant of the dot plots represents the percentage of basophils that expresses CD63 in high intensity (activation of cells). (a) Negative control; (b) positive control; (c), (d), (e) Medcell® at dilutions 1/640, 1/320, 1/160 respectively; (f), (g), (h), DEET at dilutions 1/640, 1/320, 1/160 respectively.

**Figure 2.** Dot blot with the patient serum and with a negative control.



DEET and repellent extract were coated at different concentrations.

**Figure 3.** Inhibition dot blot with patient serum and different concentrations of DEET as inhibitor.

