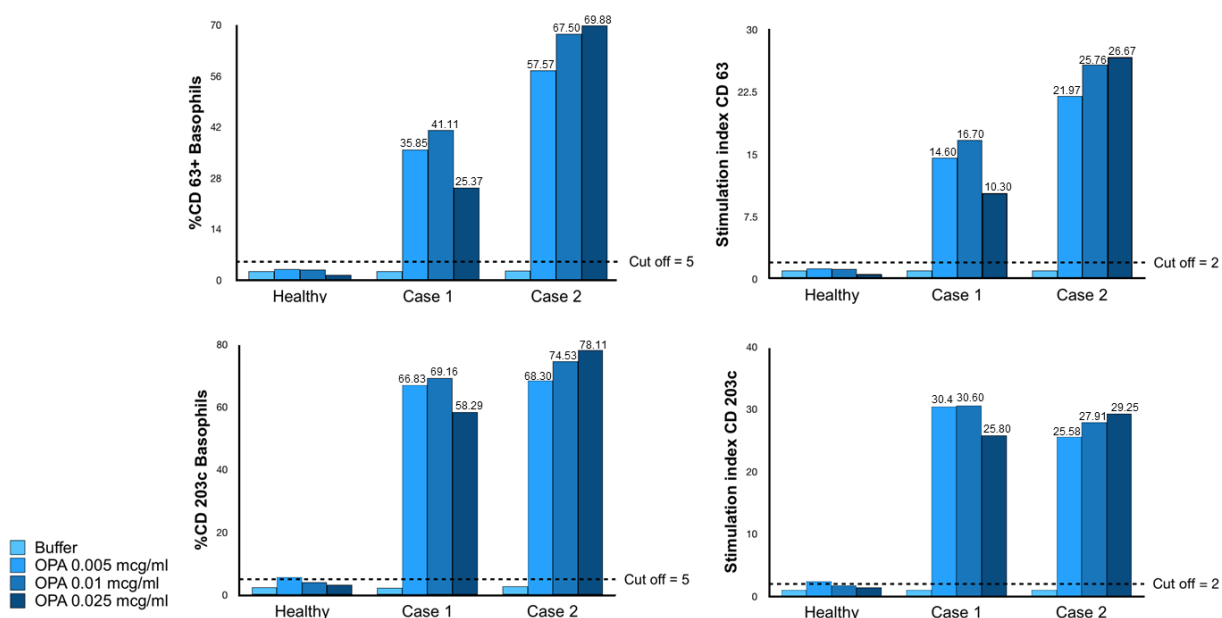


## Material supplementary

### Supplementary Figure 1. The results of basophil activation tests (BAT)

Stimulation with OPA gave positive results in BAT, resulting in upregulation to both CD63 and CD203c markers. Whole blood samples from the patient (Case 1, 2) and healthy control (Healthy) were incubated with OPA at three different final concentrations and with buffer without OPA. Dashed lines indicate cut-off for the percentage of positivity ( $\geq 5\%$ ) and stimulation index (SI) ( $\geq 2$ ). The data shown here is an experiment in the condition without IL-3.



**Abbreviations.** BAT, Basophil activation tests. CD, Cluster of differentiation. OPA, Ortho-phthalaldehyde.