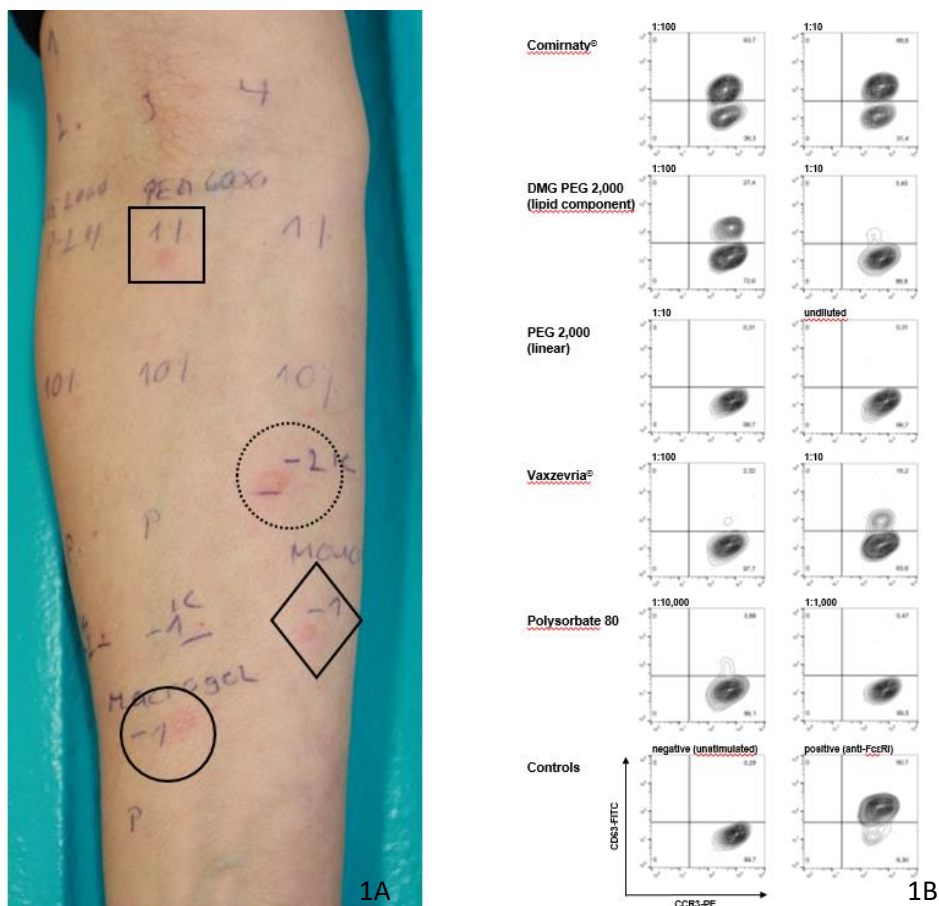


## SUPPLEMENTARY MATERIAL

Supplementary figure 1: Skin (a) and basophil activation test (BAT) results (b).

PEG 6000 (10<sup>-2</sup>; SPT)

Macrogol (PEG 3350, 10-1; SPT)

Polysorbat 80 (10<sup>-2</sup>; IDT)

Movicol (PEG 3350, 10-1; SPT)

SPT = skin prick test; IDT = intradermal test

BAT was performed according to the manufacturers' instructions (Bühlmann). Peripheral EDTA blood samples were stimulated using the Covid-19 vaccines Comirnaty® (BioNTech/Pfizer) and Vaxzevria® (AstraZeneca) as well as the respective controls, including linear PEG 2,000, the lipid component 1,2-Dimyristoyl-rac-glycero-3-methoxypolyethylene glycol-2000 (DMG PEG 2,000) used in the preparation of mRNA Covid-19 vaccines, and the cross-reactive polysorbate 80 (Sigma). Basophils were identified as CCR3<sup>+</sup>SSC<sup>low</sup> cells and CD63<sup>+</sup> basophils were considered as activated.