Supplementary Figures S1 and S2

Adjuvanting a viral vectored vaccine against pre-erythrocytic malaria

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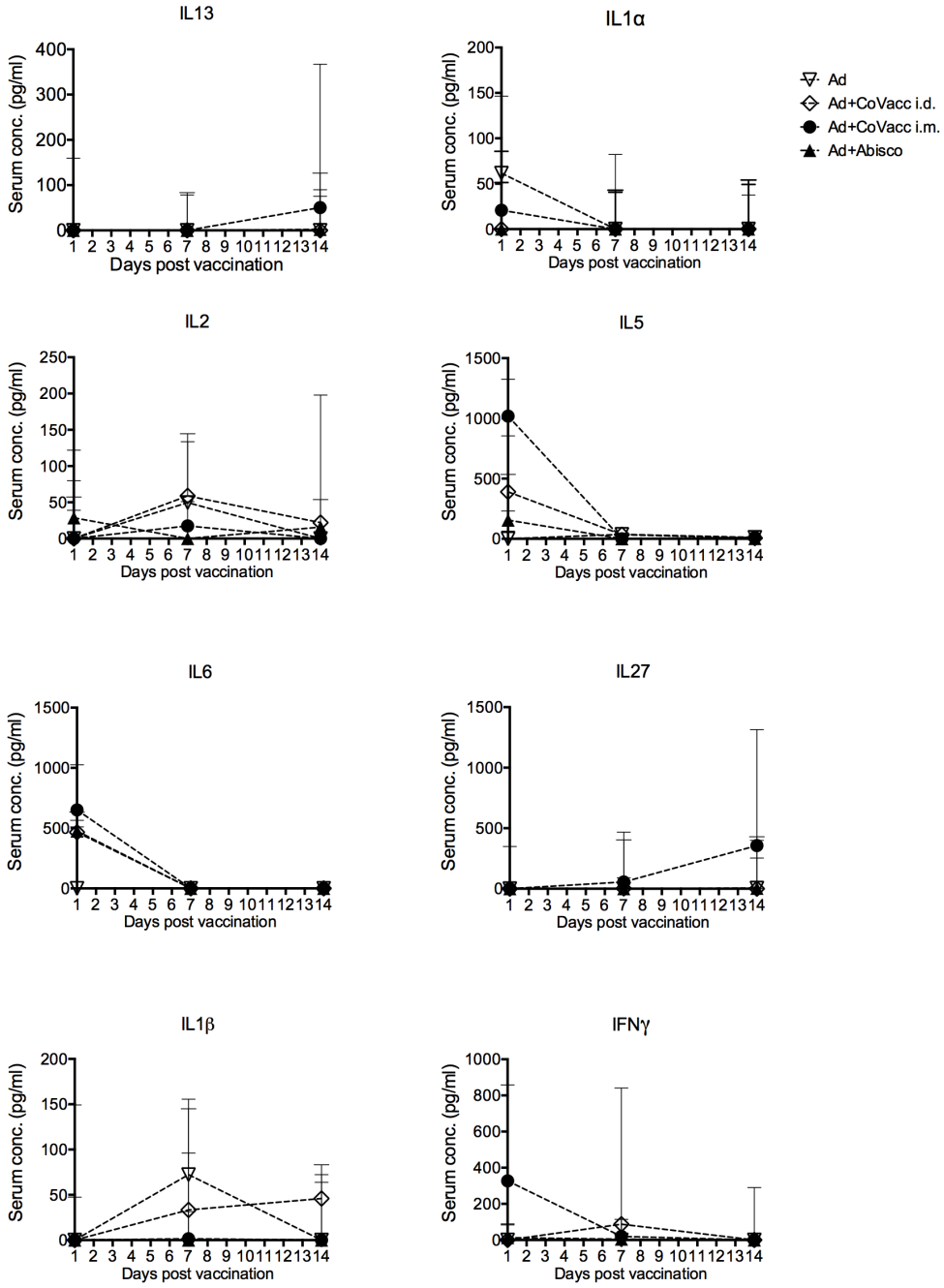
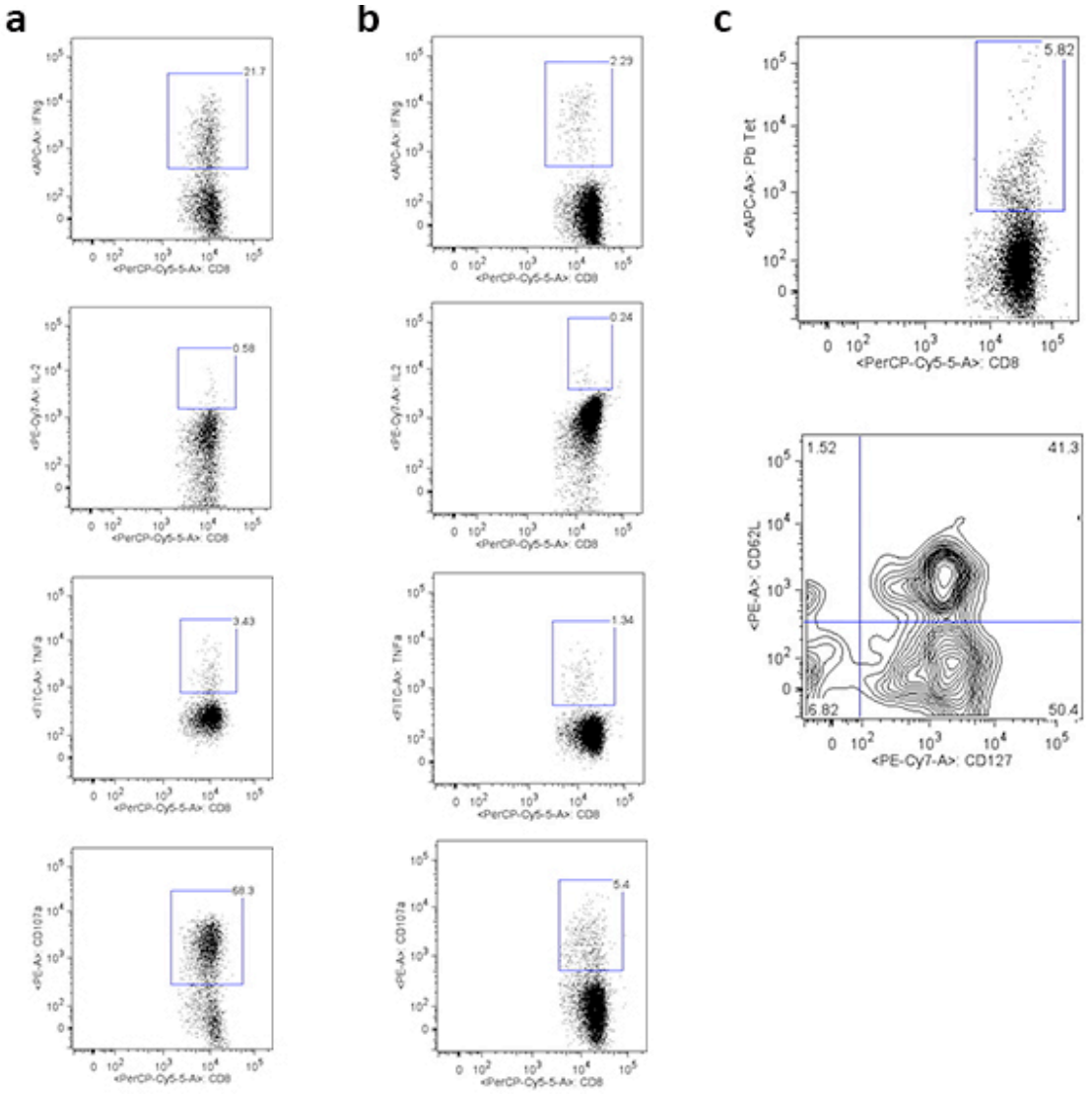


Supplementary Figure S1: Analysis of serum cytokine levels in vaccinated animals.
Serum samples from BALB/c mice (n=6), vaccinated with Ad-ME.TRAP vaccine ($5x10^9$ vp/dose) alone or adjuvanted with Abisco®-100 or CoVaccineHT, were collected at 1, 7 and 14 days post-immunisation. Serum cytokine levels were measured using Th1/Th2/Th17/Th22 13-plex mouse multiplex bead array kit with added IL-1β. Data are shown for all detected cytokines at all three time points.



Supplementary Figure S2: Representative FACS plots of the experiments using ICS.

PBMCs (panels a and c) and splenocytes (panel b) from BALB/c mice (n=6), vaccinated with Ad-ME.TRAP vaccine ($5x10^9$ vp/dose) alone or adjuvanted with Abisco®-100 or CoVaccineHT, were collected at two weeks post- immunisation.

Production of IFNγ, TNFα and IL2 cytokines and degranulation (CD107a expression) by CD8+ PBMCs (panel a) or splenocytes (panel b), following 4h of in vitro stimulation with the Pb9 peptide, was assessed by intracellular staining and flow cytometry.

c) Proportion of Pb9-specific $CD8^+$ T cells in the peripheral blood, the spleen and the liver, and their memory profiles (effector, T_E, effector memory, T_{EM} and central memory, T_{CM}) were evaluated by flow cytometry using the Pb9-tetramer and surface markers CD127 and CD62L. The three memory cell subsets were defined as: $T_E = CD62L^-CD127^-$, $T_{EM} = CD62L^-CD127^+$ and $T_{CM} = CD62L^+CD127^+$.