Expanded View Figures

Figure EV1. The impact of phagocytosis on apoptosis and necrosis of PLB985 neutrophils.

A Annexin V and propidium iodide (PI) flow cytometry (FACS) were used to analyze for apoptosis and necrosis of GFP^- neutrophils that did not phagocytose (left panel) or GFP^+ neutrophils that did phagocytose GFP-expressing *P. falciparum* iRBCs following a 6-h co-incubation. Neutrophils reduce the parasitemia in cultures.

B Percentage of luciferase signal reduction during the short killing assay (6 h) of luciferase-expressing *P. falciparum* iRBCs with or without neutrophils.

C iRBCs used for the short-term killing assay in (B) were put back into culture and the reduction in parasitemia was measured following 1 and 3 days of co-culture.

D Percentage of parasitemia reduction on days 1 and 3 shown in B.

E Reduction in parasitemia at day 1 and 3 following neutrophils incubation with iRBC in the presence or absence of catalase. The impact of serum proteins on the neutrophil killing of iRBCs.

F Short-term killing assay of AB^+-serum opsonized (AB^+ serum) and non-opsonized iRBCs (no serum) in the presence of anti-ICAM1 blocking antibody (mAb 15.2) and anti-CD11b control antibody.

Data information: Results represent the average of three biological replicates ($n = 3$) ± standard error of the mean (SEM). Statistical significance was determined using student *t*-test $*P < 0.05$; $**P < 0.01$.

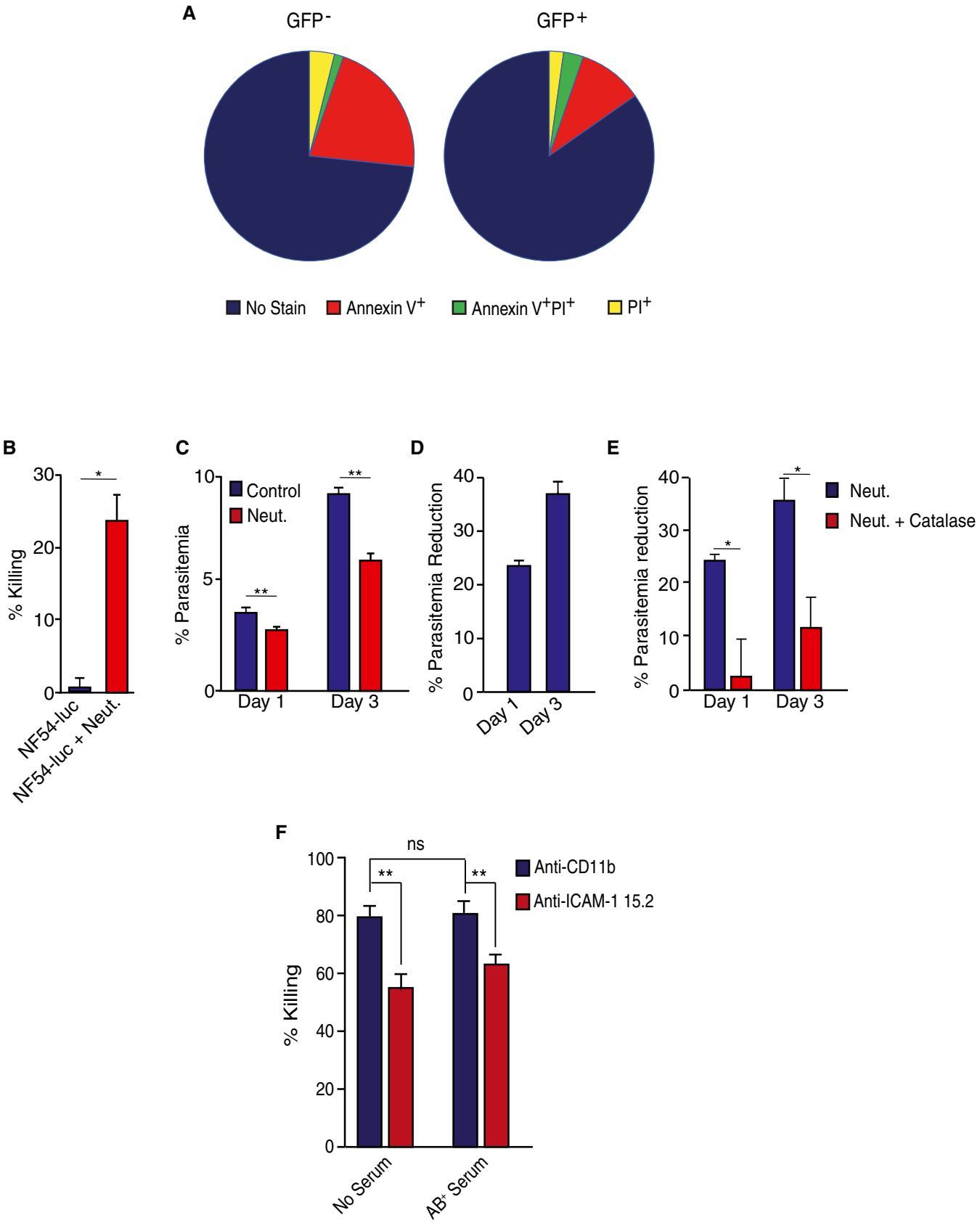
A
GFP-
GFP+
No Stain
Annexin V+
Annexin V+PI+
PI+
B
% Killing
NF54-luc
NF54-luc + Neut.
C
% Parasitemia
Control
Neut.
Day 1
Day 3
D
% Parasitemia Reduction
Day 1
Day 3
E
% Parasitemia reduction
Neut.
Neut. + Catalase
Day 1
Day 3
F
% Killing
ns
Anti-CD11b
Anti-ICAM-1 15.2
No Serum
AB+ Serum

Figure EV1.