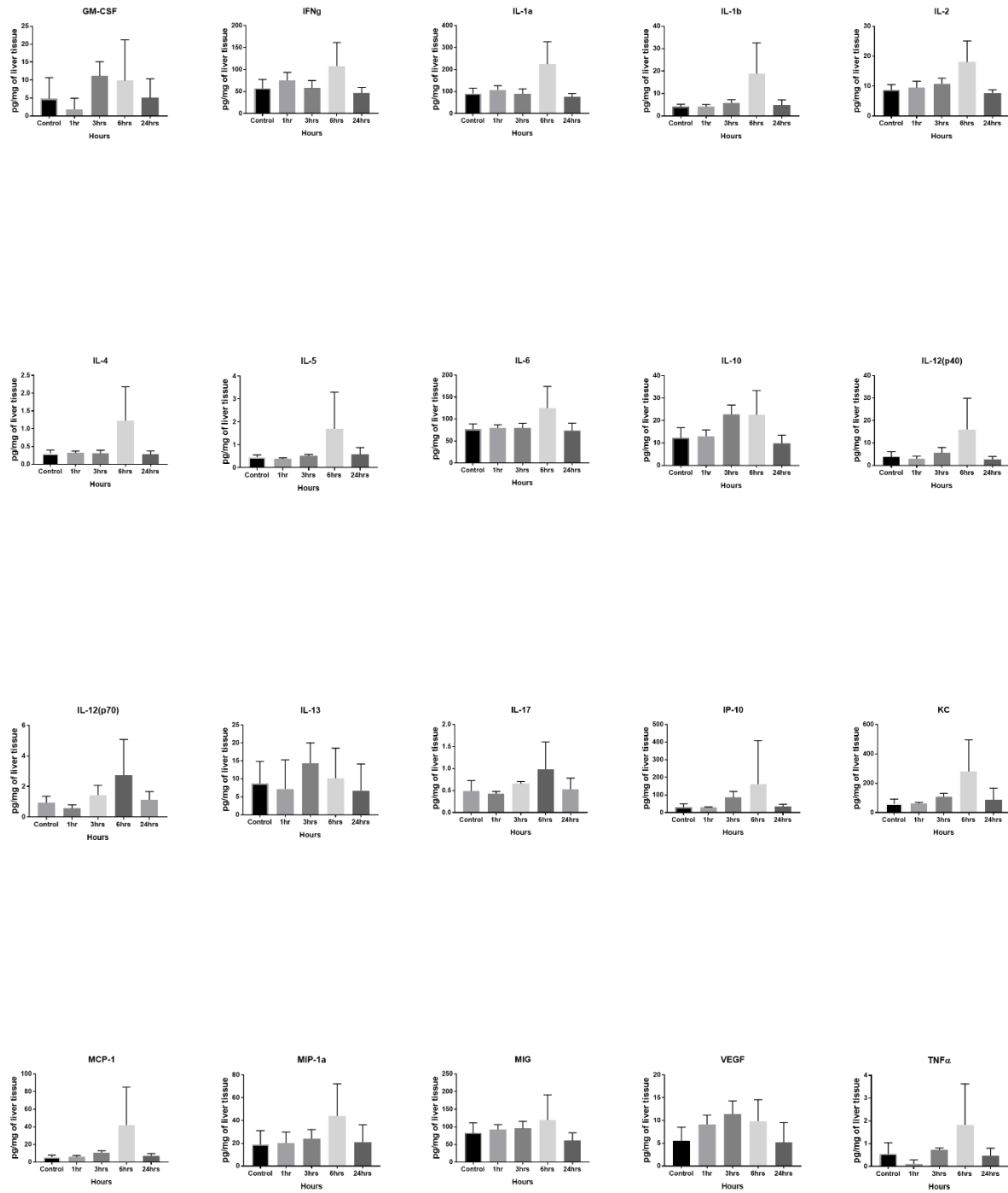
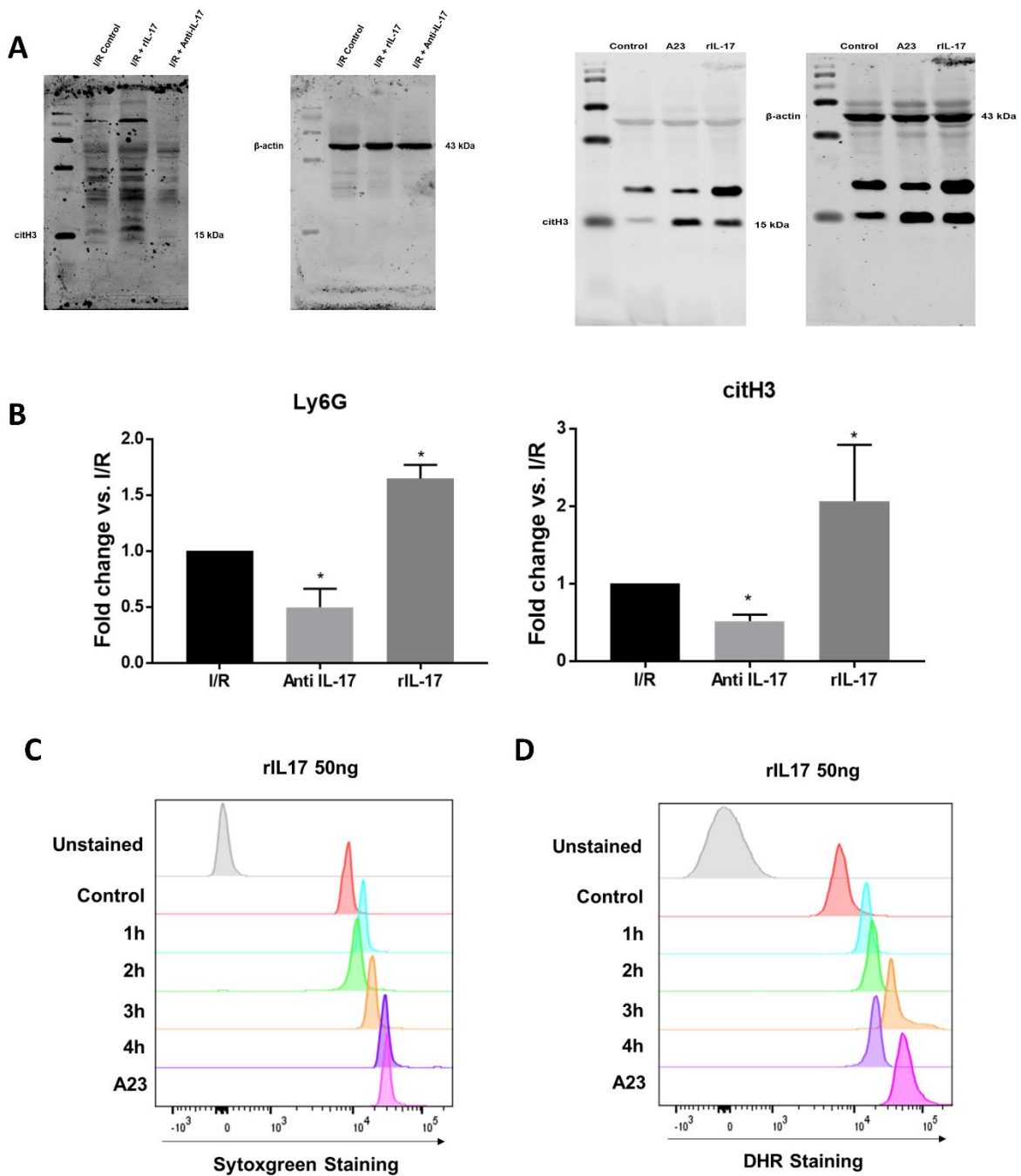


Supplementary Figure 1.



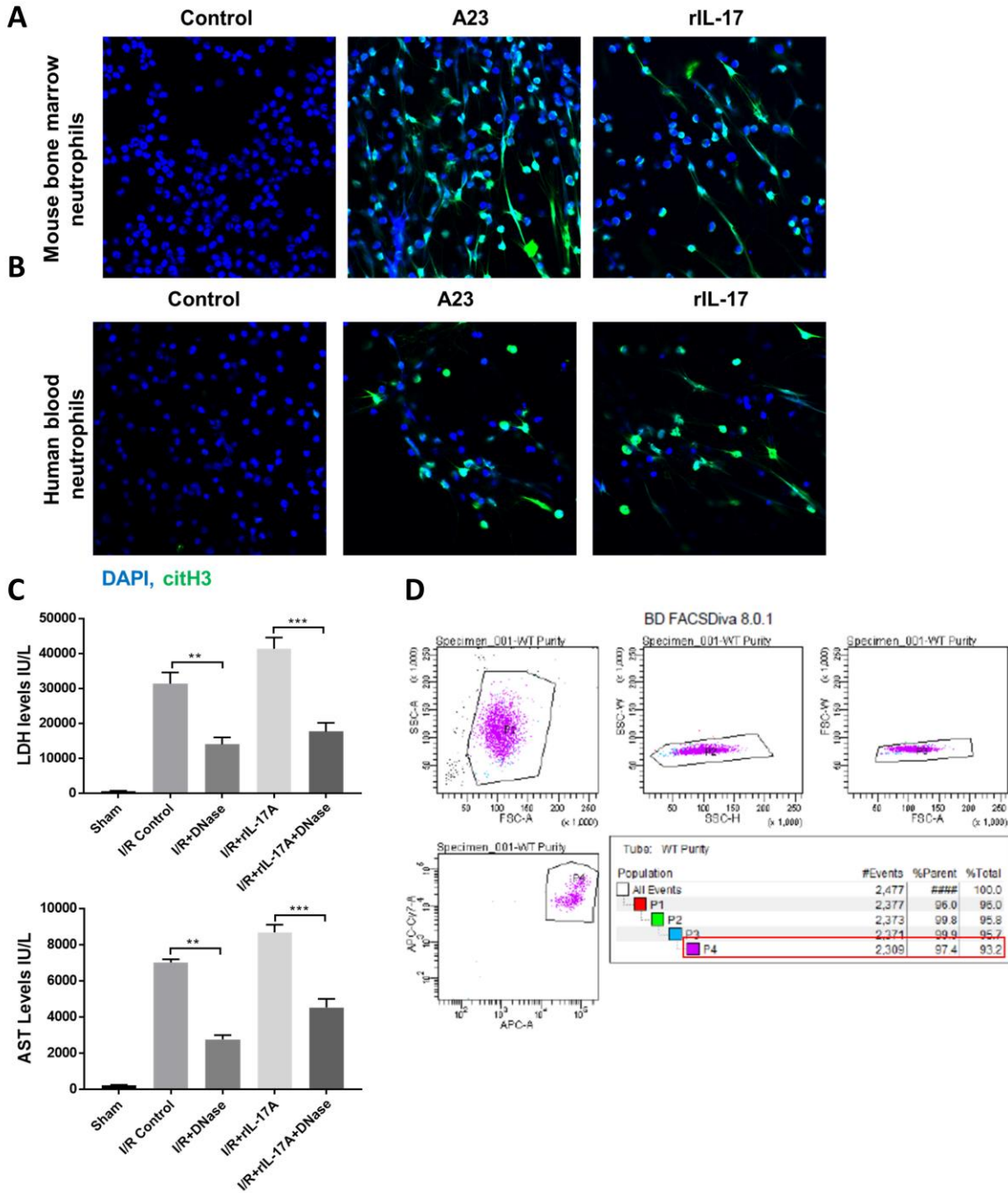
Supplementary Fig.1. The Luminex analysis showing levels of 20 inflammatory mediators after liver ischemia reperfusion at different time points.

Supplementary Figure 2.



Supplementary Fig.2. (A) The complete representative images of the western blots (uncropped) shown in the main manuscript. (B) Bar graphs illustrating a significant decrease neutrophil infiltration (LY6G) and NET formation (citH3) in the ischemic lobe after treating with anti-IL-17 compared to the untreated ischemic lobe. However, treatment with rIL-17 significantly elevated the infiltration of neutrophils and NET formation. Flow cytometry analysis showing a time-dependent increase in the formation of NETs when treated with rIL-17 as evident by Sytoxgreen (C) and DHR (D) staining.

Supplementary Figure 3.

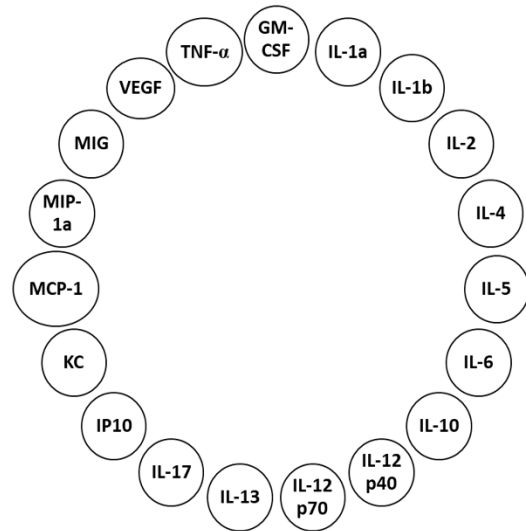


Supplementary Fig.3. Representative immunofluorescence images show increased citH3 expression when coculturing rIL-17 with the neutrophils isolated from bone marrow of mouse (A) and from the peripheral blood of human (B). Quantification analysis of serum AST and LDH levels (C) showed a significant decrease after the treatment with DNase compared to I/R control. Treatment with rIL-17 significantly elevated the liver injury and the addition of DNase showed a protective effect. (D) Flowcytometry analysis showing the purity of 97.4% of isolated neutrophils.

Supplementary Table ¹

Cytokine	0-1hrs	1-3hrs	3-6hrs	6-24hrs
VEGF	0	0	0	0
TNF α	1	5	9	9
GM-CSF	4	3	0	0
IFN γ	2	2	8	9
IL-1a	1	2	10	11
IL-1b	2	2	10	10
IL-2	3	0	10	10
IL-4	5	1	10	10
IL-5	1	1	9	10
IL-6	0	1	3	5
IL-10	2	5	1	1
IL-12(p40)	1	1	0	0
IL-12(p70)	1	2	9	9
IL-13	0	1	1	1
IL-17	3	6	10	10
IP-10	5	3	2	2
KC	0	3	2	2
MCP-1	0	5	4	6
MIP-1a	3	0	9	9
MIG	2	0	0	0

Cytokine	Anti-IL-17 given after reperfusion at time			
	0 hours	2 hours	4 hours	DNase
VEGF	0	11	10	4
TNF α	8	11	10	0
GM-CSF	0	2	2	2
IFN γ	2	9	9	0
IL-1a	3	10	10	0
IL-1b	3	12	11	1
IL-2	2	9	9	3
IL-4	5	9	9	5
IL-5	2	1	0	3
IL-6	3	9	9	0
IL-10	3	10	10	0
IL-12(p40)	4	1	1	0
IL-12(p70)	2	1	0	4
IL-13	6	10	10	1
IL-17	3	2	3	4
IP-10	0	5	5	1
KC	3	0	0	0
MCP-1	3	10	6	0
MIP-1a	3	2	3	4
MIG	0	0	1	0



¹ Number of connections deduced from Dyna Analysis between various cytokines in control vs experimental mice