

Involvement of the p62/NRF2 signal transduction pathway on erythrophagocytosis

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SUPPLEMENTARY MATERIAL

SUP FIGURE 1: *Association of LC3B with phagosomal membranes in the absence of serum.*

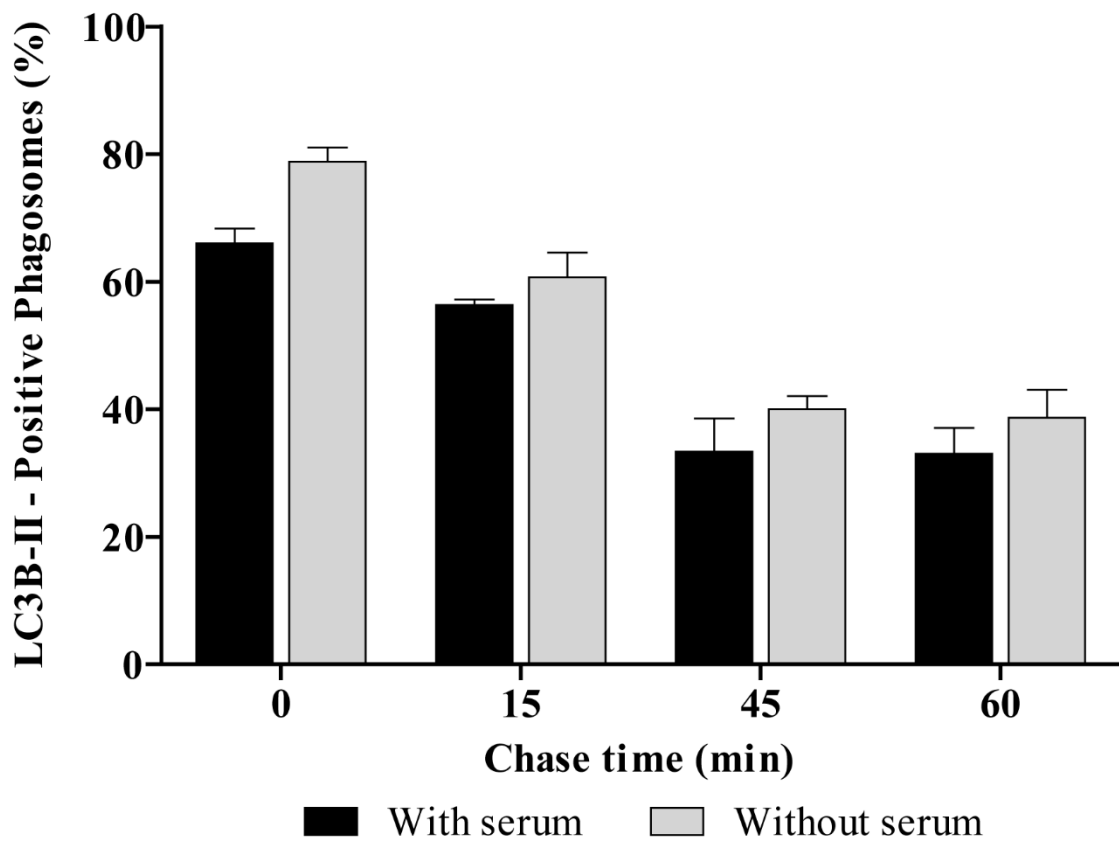
Quantification of LC3B-II-positive phagosomes in non-professional phagocytes incubated in medium supplemented (black bars) or not/starved (grey bars) with serum, exposed to RBC and chased for the indicated times. The values are means \pm SEM of, at least, three independent experiments. At each time point, at least, 100 phagosomes were analyzed.

SUP FIGURE 2: *Effect of Rubicon silencing on LCB-II phagosomal acquisition and assessment of p62 silencing in BMDM.*

(A) *Rubicon* mRNA fold change in knockdown versus control BMDM (transfected with scramble RNAi) was determined by RT-qPCR. Data were normalized to the endogenous *Hprt* and *Pgk1* genes. The values are means \pm SEM expression levels of three independent experiments, each measured in two technical replicates. *, $p < 0.05$ comparing differences between scramble and knockdown cells. (B) Quantification of LC3B-II-positive phagosomes in *Rubicon*-silenced- and in control-BMDM. Cells were exposed to RBC for 15 min and then chased for the indicated times. The values are means \pm SEM of two independent experiments. ***, $p < 0.001$; **, $p < 0.01$.

(C) *p62* mRNA fold change in knockdown versus control BMDM (transfected with scramble RNAi) was determined by RT-qPCR. Data were normalized to the endogenous *Hprt* and *Pgk1* genes. The values are means \pm SEM expression levels of four independent experiments, each measured in two technical replicates. ***, $p < 0.001$ comparing differences between scramble and knockdown cells. (D) Western Blot of p62 expression levels in knockdown versus control cells (transfected with scramble RNAi). GAPDH was used as loading control.

SUP FIGURE 1



SUP FIGURE 2

