

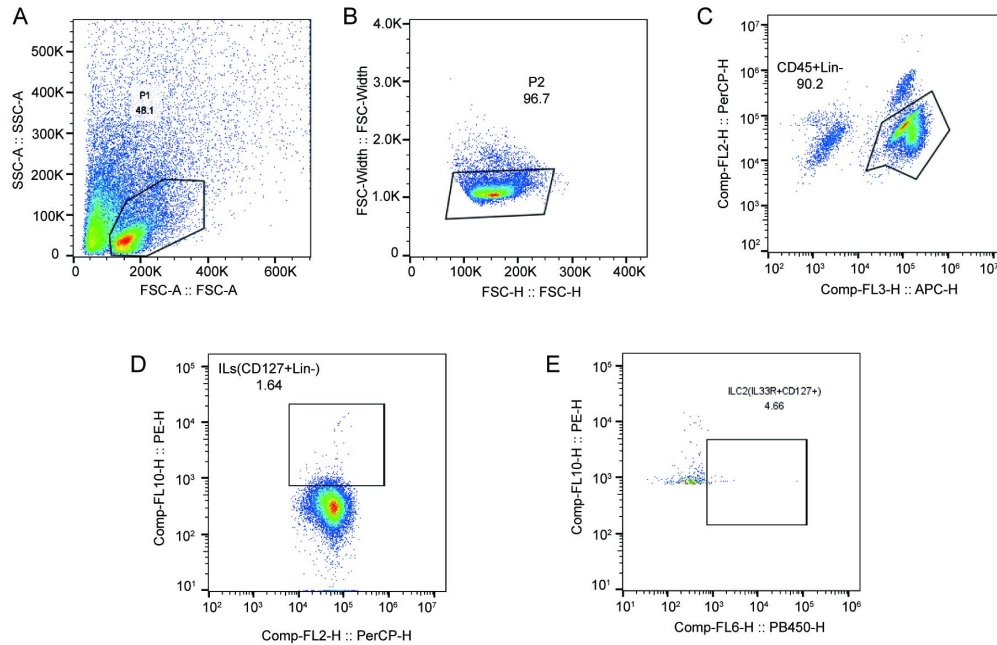


Figure S1: Flow cytometry (FACS) gating strategy for the analysis of mouse heart group

2 Innate Lymphocytes (ILC2) from wild-type (WT) mice. (A)Initial gating on lymphocytes using forward scatter (FSC) and side scatter (SSC) to discriminate cellular size and complexity, respectively. Gate P1 highlights the lymphocyte population. (B)Doublet exclusion through gating based on forward scatter width (FSC-W) versus forward scatter height (FSC-H) to ensure single-cell analysis. Gate P2 identifies single cells for further analysis. (C)Identification of lineage-negative (Lin-) leukocytes using CD45 and lineage markers, excluding all lineage-positive cells to focus on potential ILC populations.(D) ILC2s are then specifically identified within the CD45+ Lin- population by gating on cells that express CD127 (IL-7 receptor alpha) and CD117 (c-Kit) but lack expression of ST2 (IL-33 receptor).(E)Final verification of ILC2s, focusing on cells that are Lin – CD127+ST2 – CD117+.

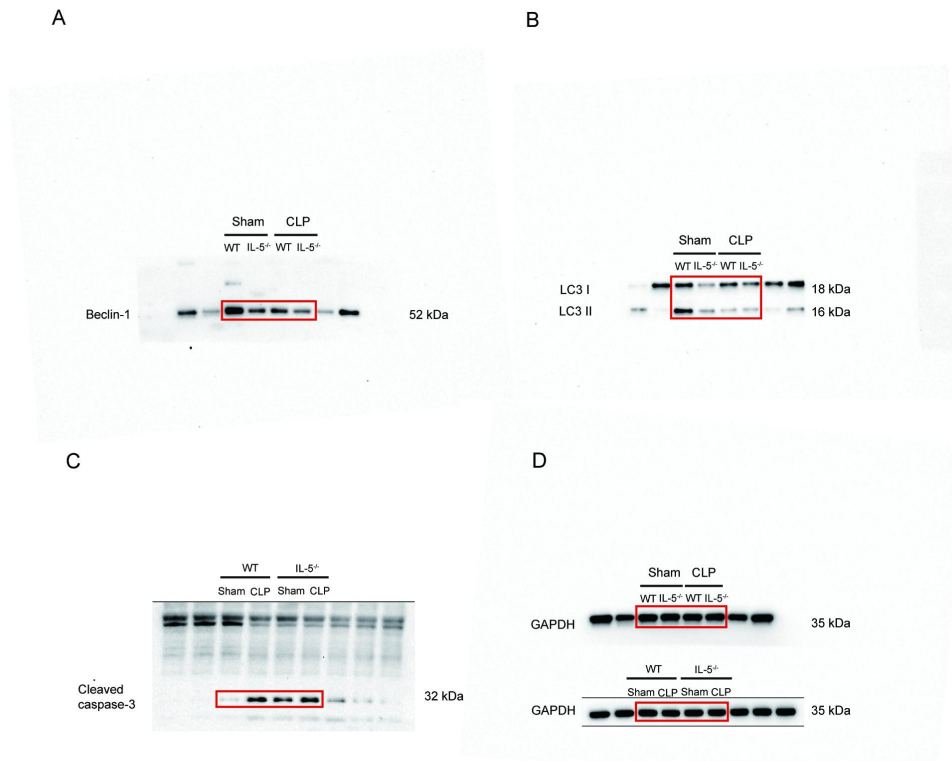


Figure S2: The original blots/gels of western blotting(WB) plots and analysis of beclin, LC3 II/I and Cleaved caspase-3 in myocardium from wild-type (WT) mice and IL-5^{-/-} mice at 24 hours after CLP in Fig. 5F.

Our sample groups are the third through sixth columns, the samples sequence details are shown in the figure.

(A) The raw WB image of Beclin-1 (52 kDa) . (B) From top to bottom are raw WB image of LC3 I (18 kDa) and LC3 II(16 kDa). (C) The raw WB image of Cleaved caspase-3 (32 kDa). (D) The raw WB image of GAPDH (35 kDa). The grouping of gels/blots cropped from different parts of the same gel, the samples derive from the same experiment and that above gels/blots were processed in parallel.