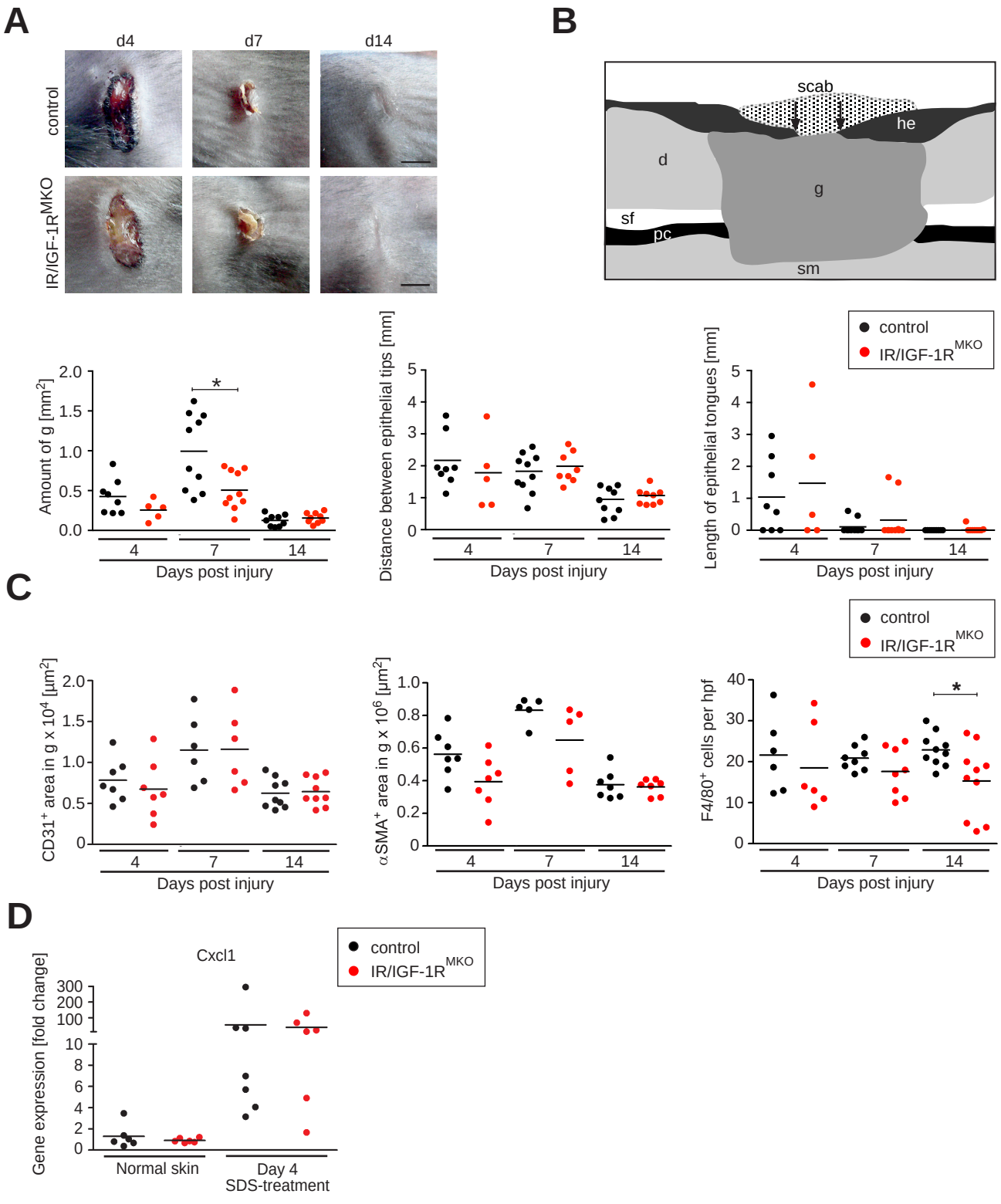
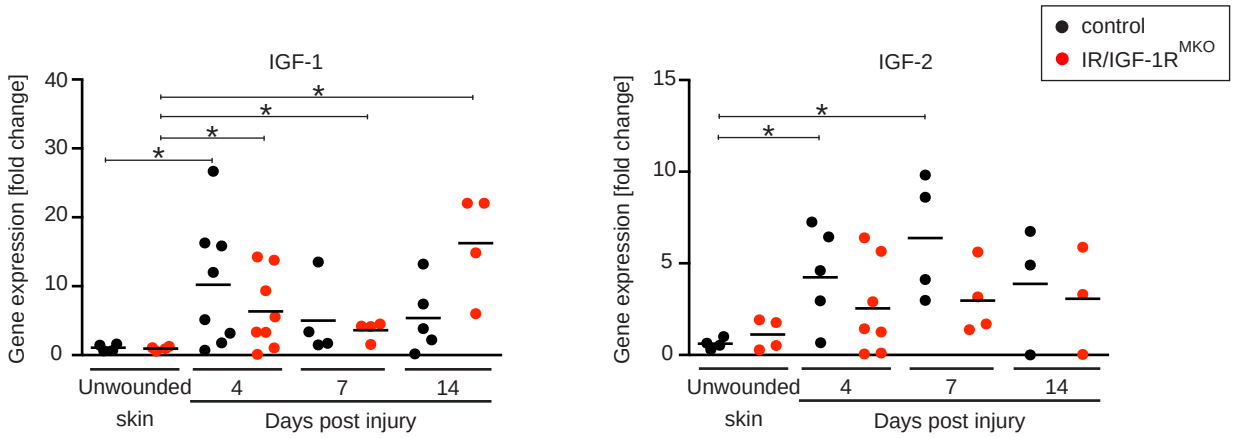
revised Supplemental Fig. 1

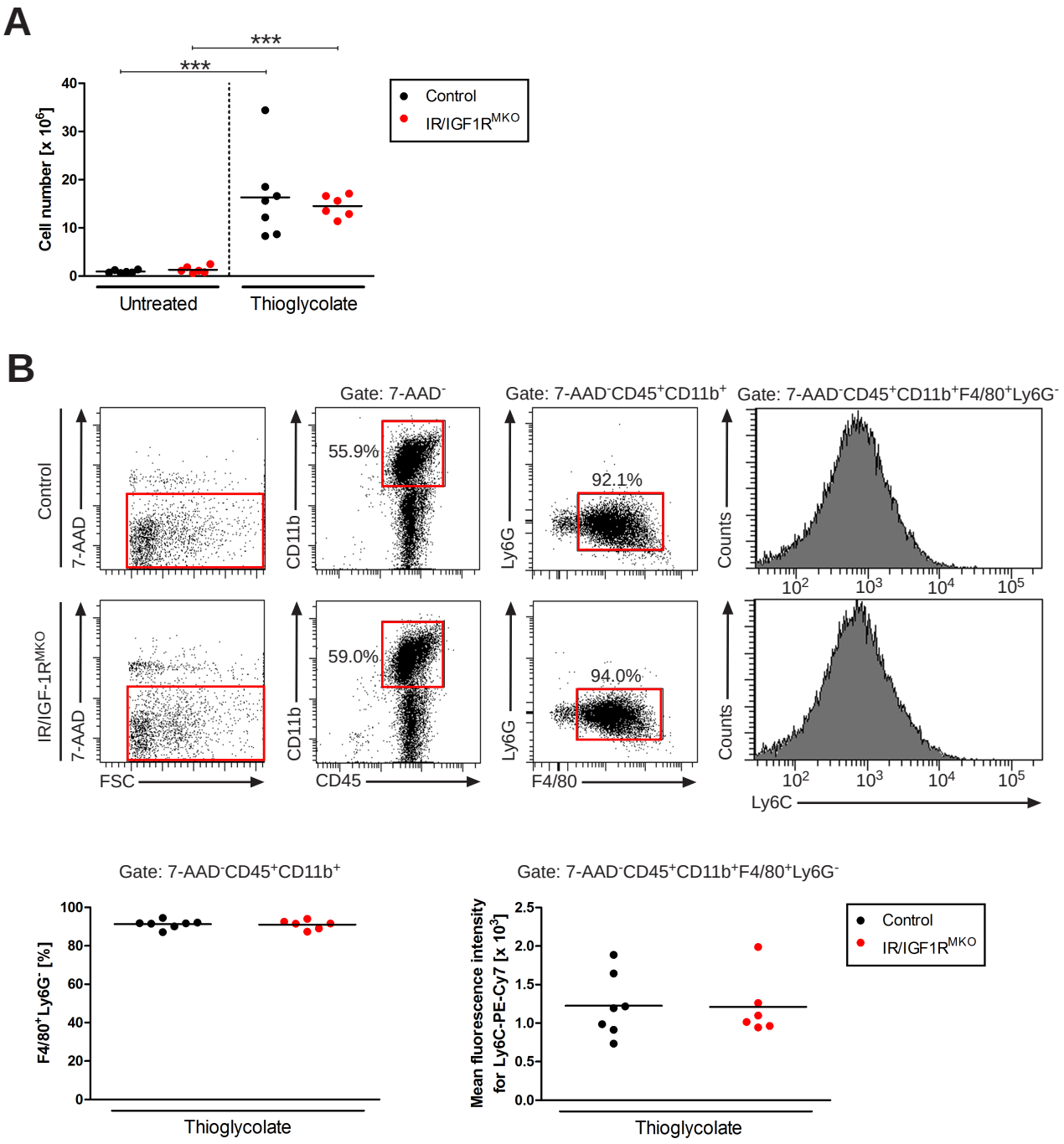


Supplemental Fig. 1: Myeloid cell-restricted IR/IGF-1R deletion has no major impact on overall wound closure kinetics. (A) Macroscopic appearance of wounds in IR/IGF-1R^{MKO} and control mice at different time points post injury; scale bar indicates 5 mm. (B) Upper right, schema illustrating skin wound histology around day 4 post injury. Morphometric analysis of H&E stained wound sections in control and IR/IGF-1R^{MKO} mice; e=epidermis, d=dermis, he=hyperproliferative epidermis, g=granulation tissue, pc=panniculus carnosus, sf=subcutaneous fat layer, sm=subcutaneous muscle layer. (C) Morphometric quantification of CD31^{+}, aSMA^{+} area or F4/80^{+} cells (macrophages) within the granulation tissue at different time points post injury in IR/IGF-1R^{MKO} and control mice. (D) Relative gene expression of Cxcl1 in unwounded skin and wound tissues post injury as indicated. Each dot represents one wound; data are expressed as mean;* p-value <0.05.

revised Supplemental Fig. 2



Supplemental Fig. 2: Expression of IGF-1 and IGF-2 is induced during skin wound healing. Relative gene expression of IGF-1 and IGF-2 in unwounded skin and wound tissues post injury as indicated; each dot represents one wound; * p-value <0.05.



Supplemental Fig. 3: IR/IGF-1R deficiency does not impact recruitment of macrophages into the peritoneal cavity after thioglycolate challenge. (A) Numbers of peritoneal cells in untreated IR/IGF-1R^{MKO} and control mice and 4 days after thioglycolate injection. (B) Upper panel, representative FACS analysis of peritoneal cells isolated from IR/IGF-1R^{MKO} and control mice 4 days after thioglycolate injection. 7-AAD$^-$ cells were gated and analyzed for expression of CD45 and CD11b; 7-AAD$^-$CD45$^+$CD11b$^+$ cells were gated and analyzed for expression of F4/80 and Ly6G; 7-AAD$^-$CD45$^+$CD11b$^+$F4/80$^+$Ly6G$^-$ cells were gated and analyzed for expression of Ly6C. Lower panel, quantification of F4/80$^+$Ly6G$^-$ macrophages in the gate of CD45$^+$CD11b$^+$ cells and quantification of the mean fluorescence intensity of Ly6C-PE-Cy7 in the gate of 7-AAD$^-$CD45$^+$CD11b$^+$F4/80$^+$Ly6G$^-$ cells. PE-Cy7, phycoerythrin-cyanine7; each dot represents one mouse; data are expressed as mean; *** p-value <0.001

Supplemental Table I: Primer pairs used in this study

Target gene	Accession number	Primer sequence
IL-1β	NM_008361.3	forward: 5' - GGACCCCAAAAGATGAAGGGCTGC reverse: 5' - GCTCTTGTTGATGTGCTGCTGCG
IL-6	NM_031168.1	forward: 5' - ACACATGTTCTCTGGGAAATC reverse: 5' - AAGTGCATCATCGTTGTTCATACA
iNOS	NM_010927.3	forward: 5' - CCACCTTGGTGAAGGGACTGAGCT reverse: 5' - AGGGGCAAGCCATGTCTGAGACT
IL-10	NM_010548.2	forward: 5' - AGCCGGGAAGACAATAACTG reverse: 5' – CATTTCCGATAAGGCTTGG
GAPDH	NM_008084.2	forward: 5' - CATGTTTGTGATGGGTGTGA reverse: 5' - AATGCCAAAGTTGTCATGGA
IGF-1	NM_010512.4	forward: 5' - GCGGTGCCCCTTGAGACTCC reverse: 5' - CTGCGCATCCTCCCAAGTGC
IGF-2	NM_010514.3	forward: 5' - CACGGGGGAGCCTCTTCGGA reverse: 5' - TGGGGCAAGGGGAACAGCCT
TNFα	NM_013693	forward: 5' - GACCCTCACACTCAGATCATCTTCT reverse: 5' – CCTCCACTTGGTGGTTTGCT
MIP1α	NM_011337.2	forward: 5' - CATATGGAGCTGACACCCCG reverse: 5' - CAGGAAAATGACACCTGGCTG
MCP1	NM_011333.3	forward: 5' - TCCACGTGTTGGCTCAGCCAG reverse: 5' - CCAGCCTACTCATTGGGATCATCTT
MCP3	NM_013654.3	forward: 5' - GCCCAATGCATCCACATGCTGCT reverse: 5' - TTCAGCGCAGACTTCCATGCCC
Relm-α	NM_020509	forward: 5' - TATGAACAGATGGGCCTCCT reverse: 5' - GGCAGTTGCAAGTATCTCCAC