

Supplementary Table 1. shRNA target sequences used in this study

Clone ID	NM ID	Symbol	Target Sequence
TRCN0000072246	N/A	LUCIFERASE	CAAATCACAGAATCGTCGTAT
TRCN0000138924	NM_024034	GDAP1L1	GCAGACATTTAGCCAATGCCA
TRCN0000414034	NM_024034	GDAP1L1	ACGCTTTGCCTTCCGGAAAGT

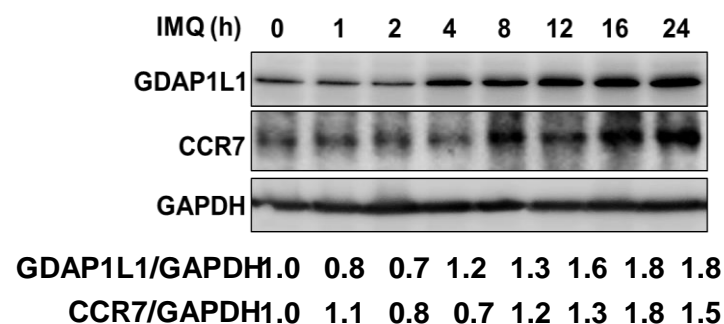
Supplementary Table 2. Primer sequences used for qPCR in this study

Primer Name	Species	Forword primer sequence (5'-3')	Reverse primer sequence (5'-3')
IL-6	Mouse	TCCAGTTGCCTTCTTGGGAC	GTGTAATTAAGCCTCCGACTTG
IL-17A	Mouse	GCTCCAGAAGGCCCTCAG	CTTTCCTCCGCATTGAC
IL-23p19	Mouse	CCCGTATCCAGTGTGAAGATG	CCCTTTGAAGATGTCAGAGTCA
IL-24	Mouse	AGAACCAGCCACCTTCACACA	CCCAAATCGGAACTCTTGACC
TNF	Mouse	CCCTCACACTCAGATCATCTTCT	GCTACGACGTGGGCTACAG
GAPDH	Mouse	AGCTTGTCATCAACGGGAAG	TTTGATGTTAGTGGGGTCTCG

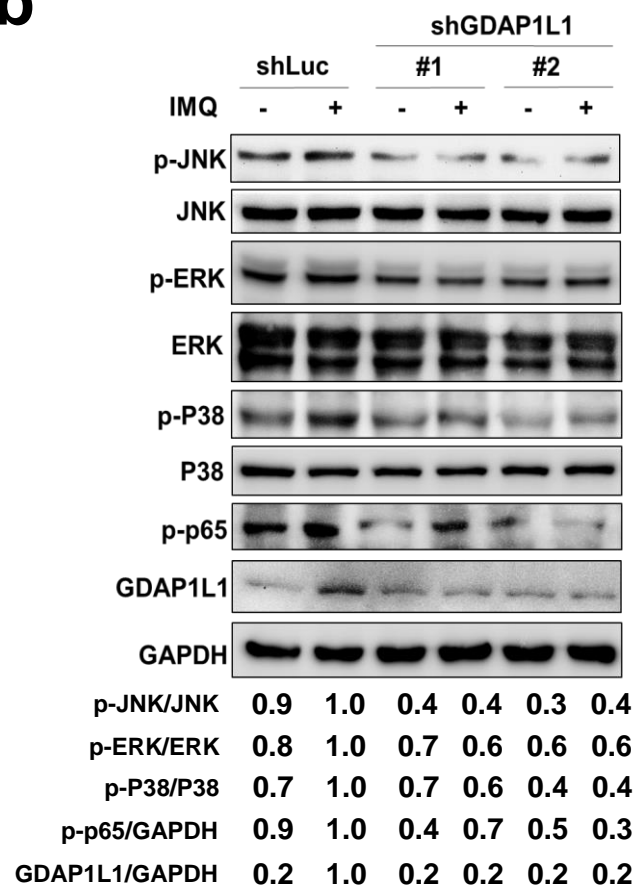
Supplementary Table 3. Primer sequences used for qPCR in this study

Primer Name	Species	Forword primer sequence (5'-3')	Reverse primer sequence (5'-3')
IL-6	Human	AGCGCCTTCGGTCCAGTTGC	GTGGCTGTCTGTGTGGGGCG
IL-23p19	Human	TCCAAGCCTCAGTCCCAG	TGGGGTGGTAGATTTATCTTGG
IL-24	Human	CAGGAGGAACACGAGACTGA	GCACAACCATCTGCATTTGAGA
TNF	Human	ATGAGCACTGAAAGCATGATCC	GAGGGCTGATTAGAGAGAGGGTC
GAPDH	Human	TGCACCACCAACTGCTTAGC	GGCATGGACTGTGGTCATGAG
GDAP1L1	Human	CTCTGAATGGGGCTGGATAA	ACCCAACACATGGACCAAAT

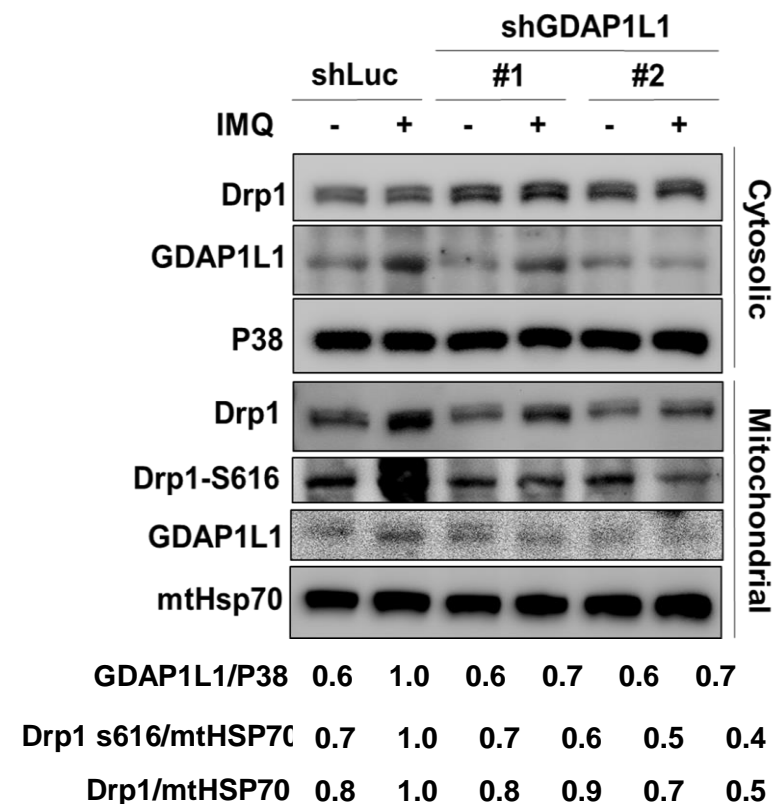
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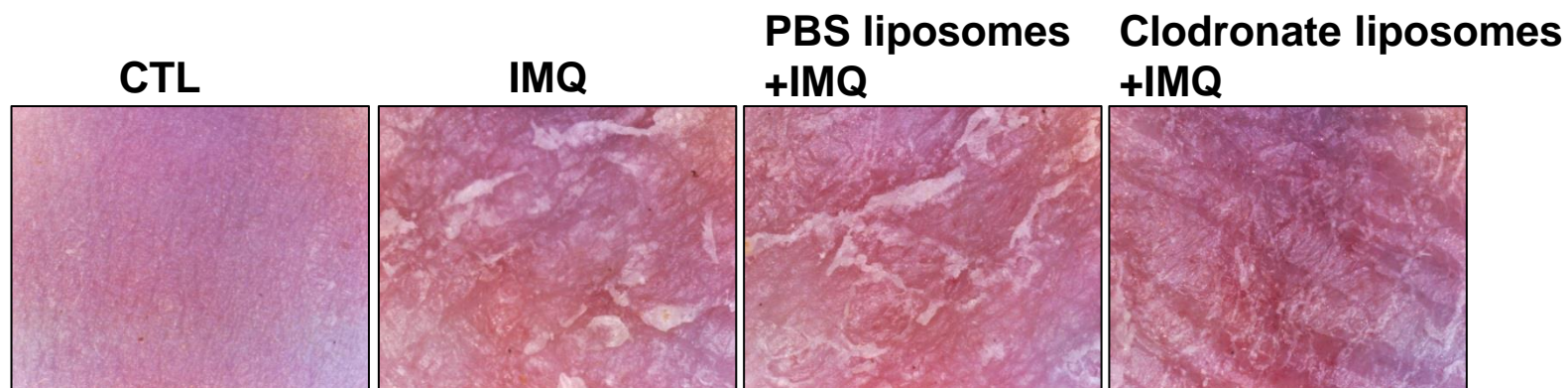
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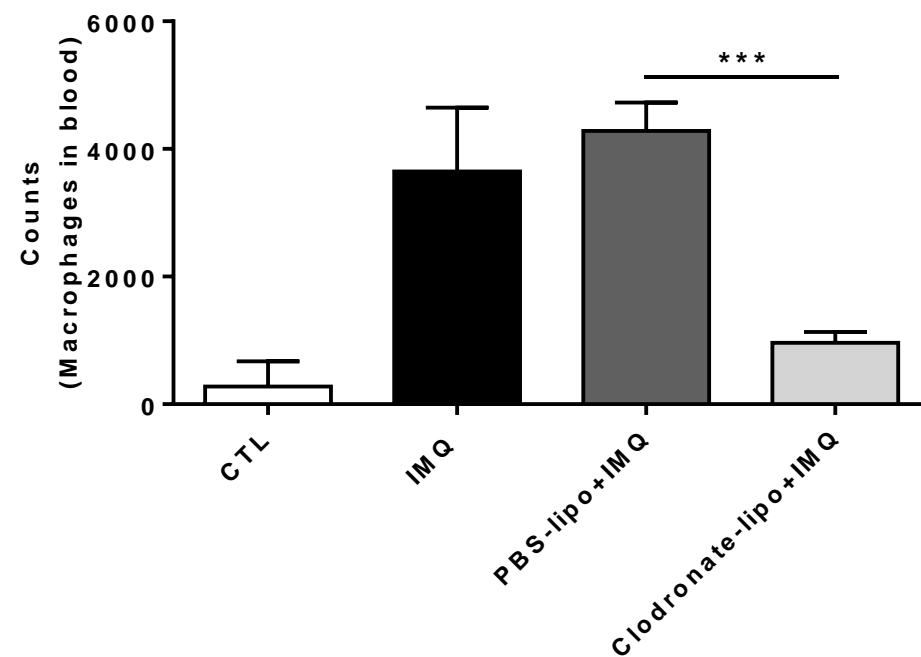
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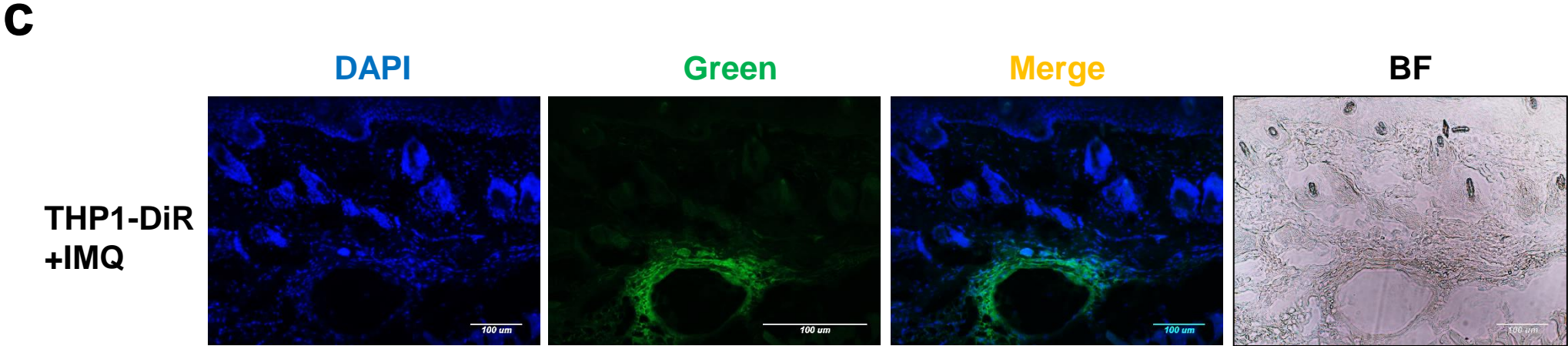
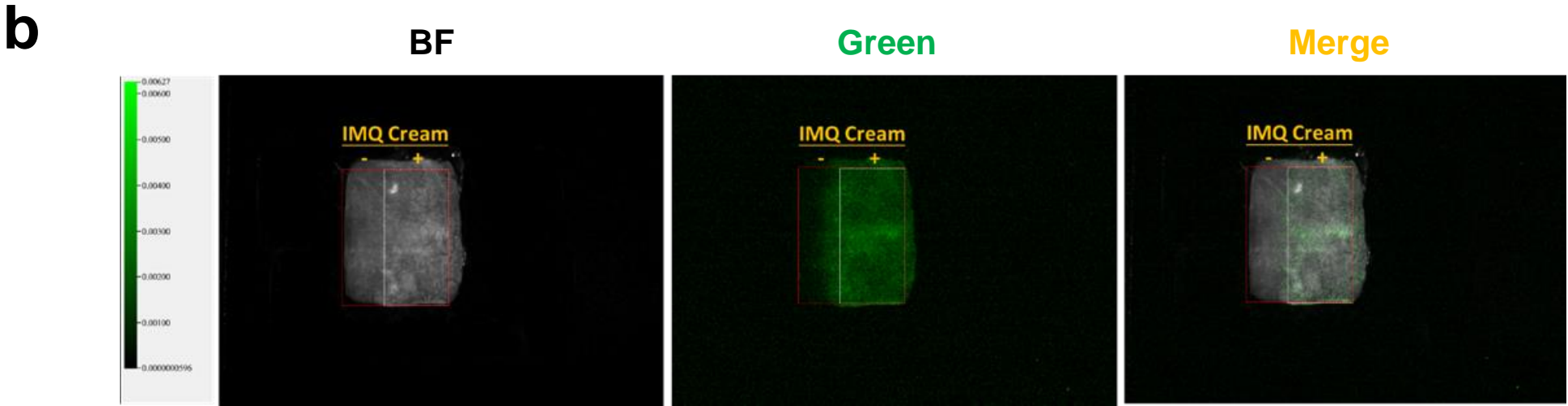
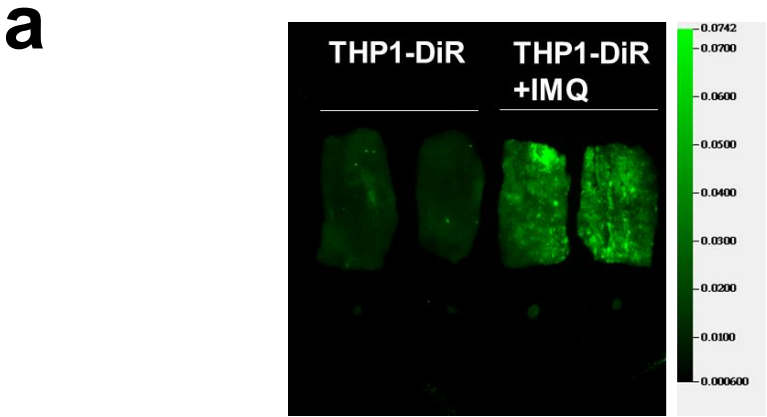


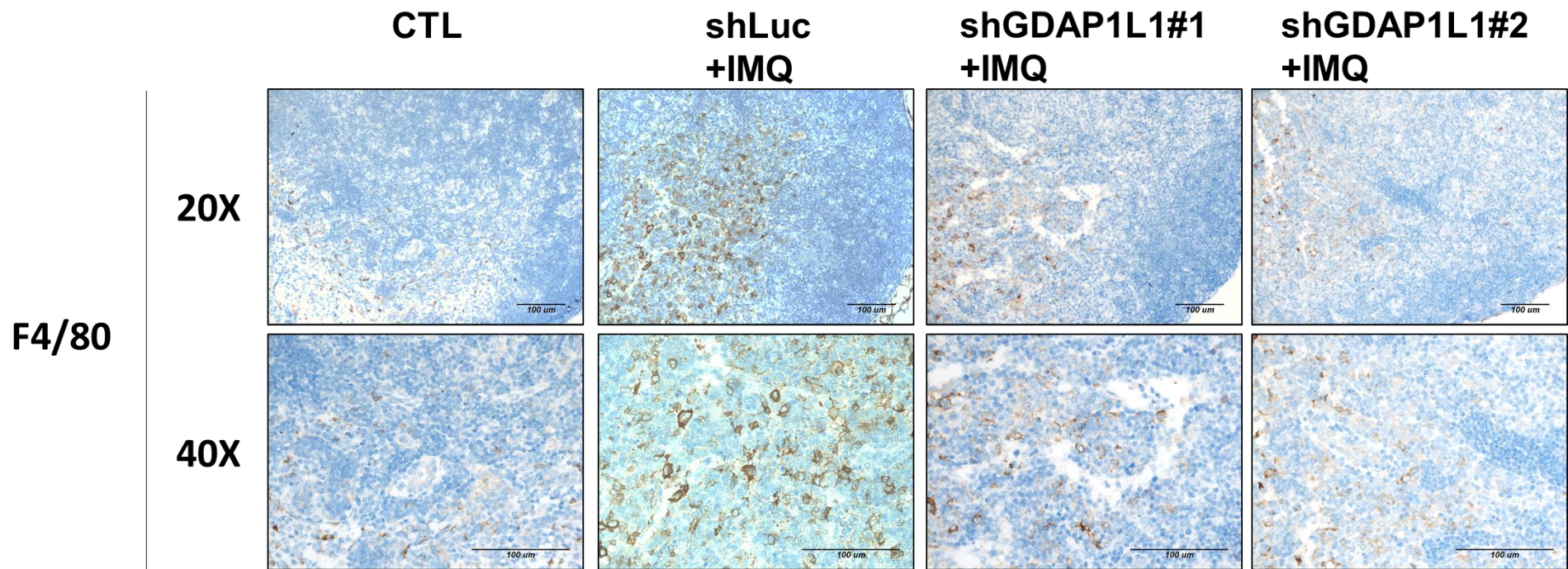
a



b







Supplementary figure legends

- Suppl. Fig. 1. The quantification of protein band by densitometry. (a) The protein/GAPDH ratio of Fig. 2b, (b) the protein/GAPDH ratio of Fig. 2c, and (c) the protein/GAPDH ratio of Fig. 3a.
- Suppl. Fig. 2. The confirmation of the effect of clodronate liposomes on macrophage depletion. (a) the skin surface image, and (b) the count of macrophages in blood.
- Suppl. Fig. 3. The distribution of injected DiR-labeled THP1 cells in skin. (a) THP1 distribution in normal and IMQ-treated mouse skin, (b) THP1 distribution in the IMQ-treated skin and the untreated skin nearby IMQ-treated region, and (c) THP1 distribution in IMQ-treated skin visualized under confocal microscopy with a vertical view.
- Suppl. Fig. 4. Macrophage accumulation in lymph node of IMQ-treated mice transplanting shRNA-treated THP1.