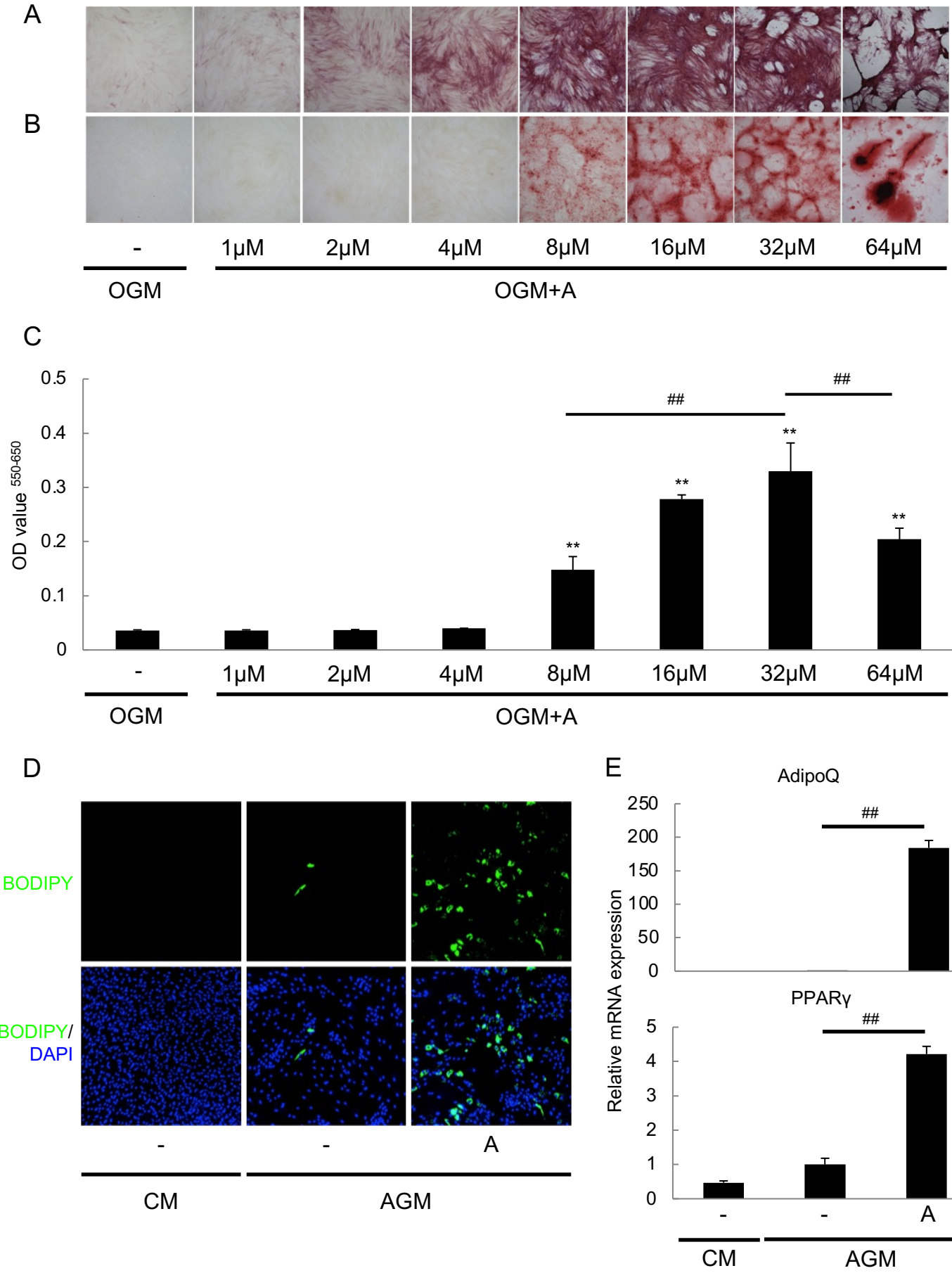
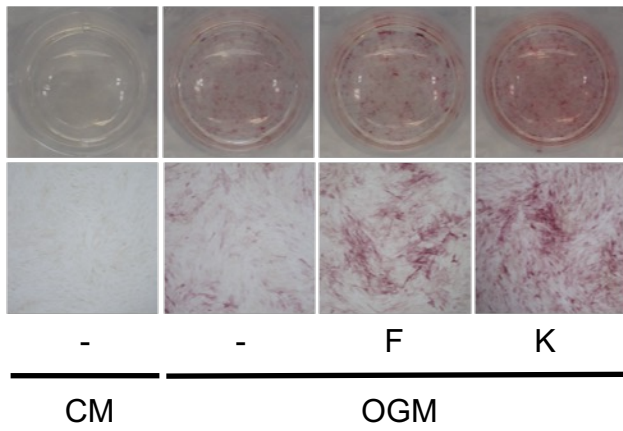


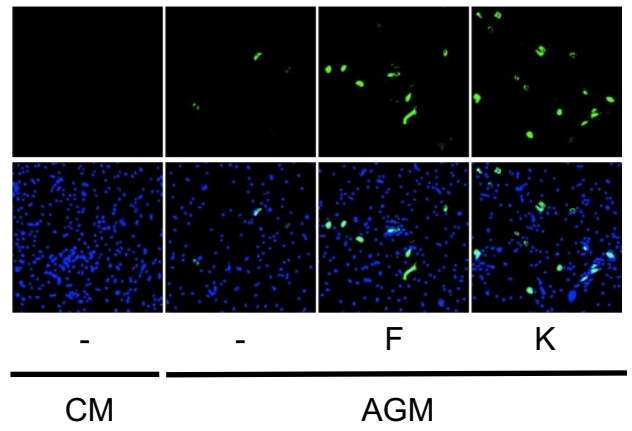
Fig. S1



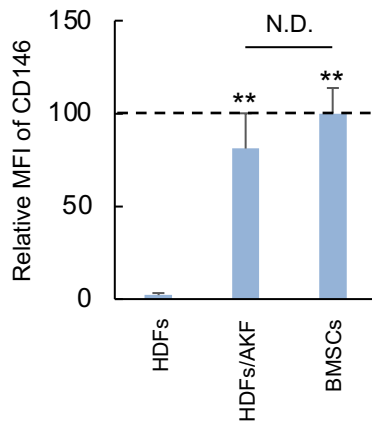
F



G



H



I

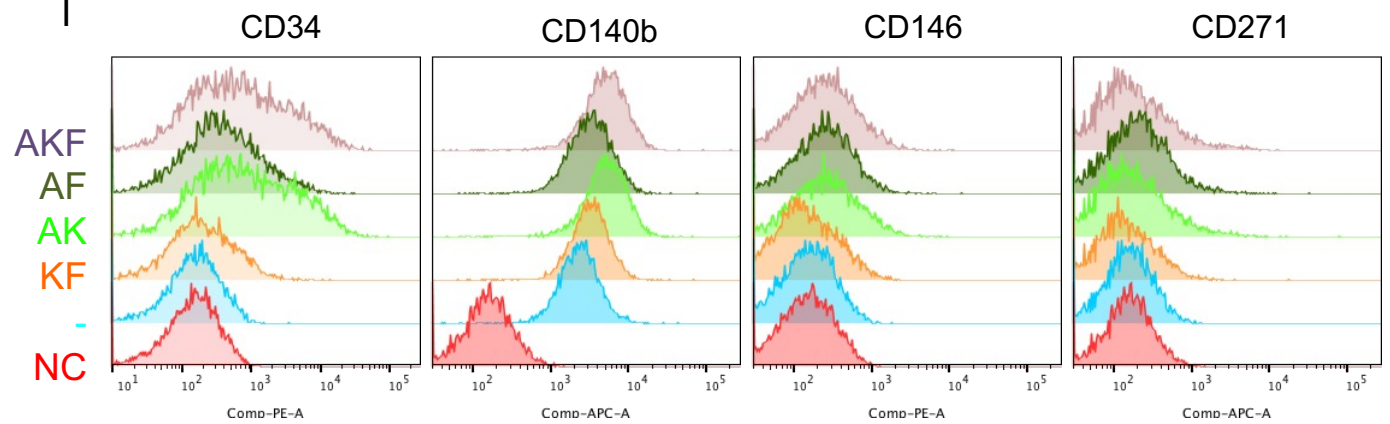
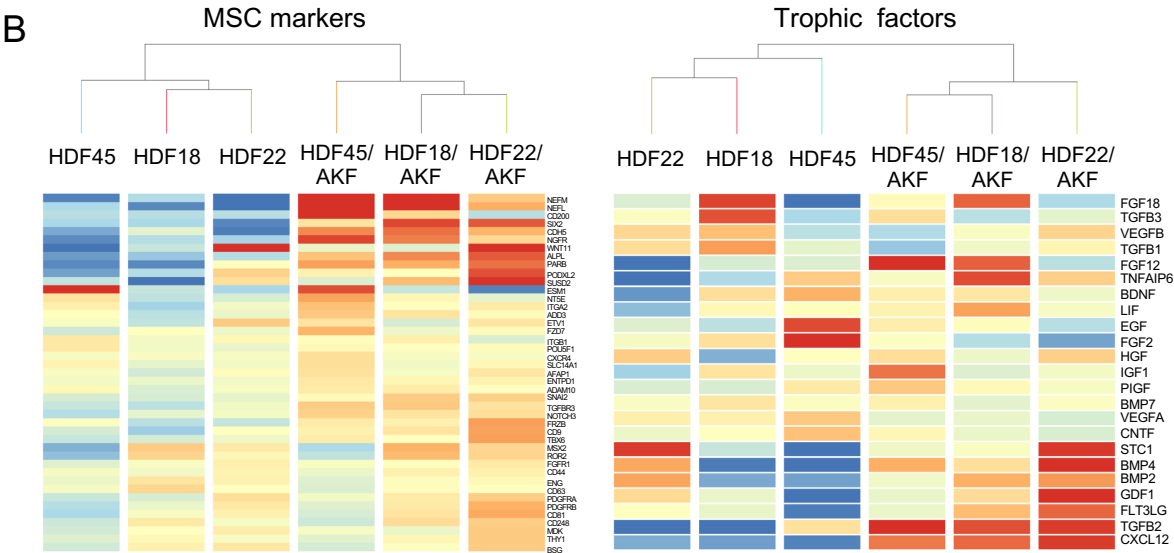
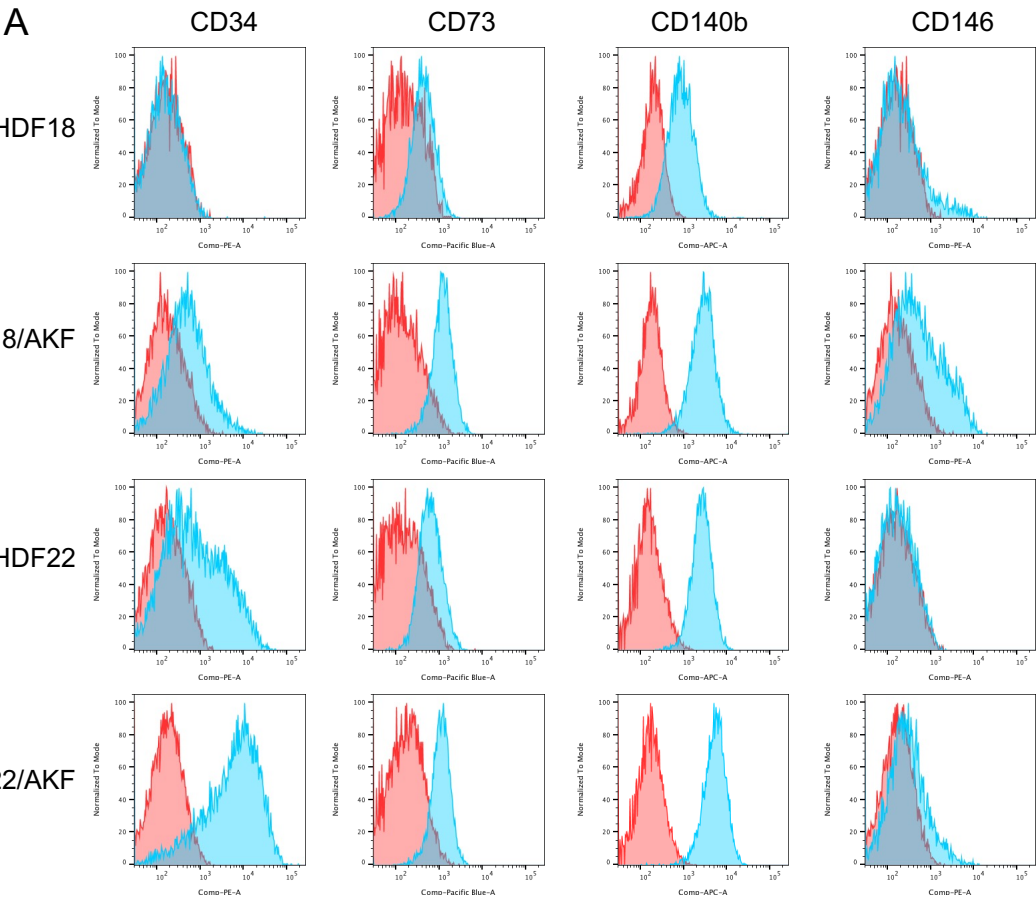
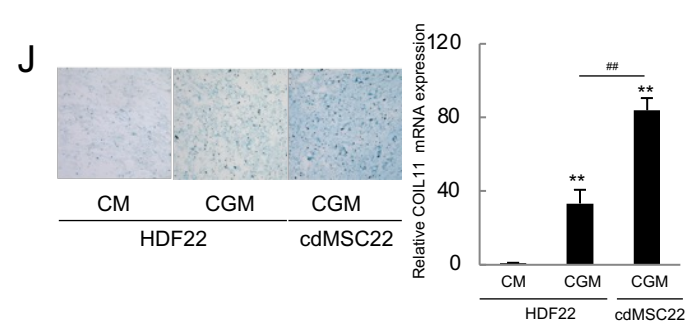
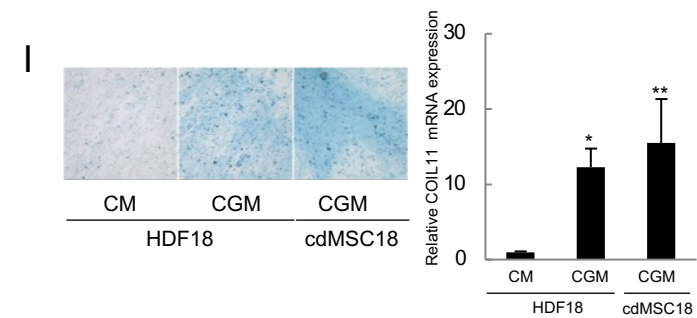
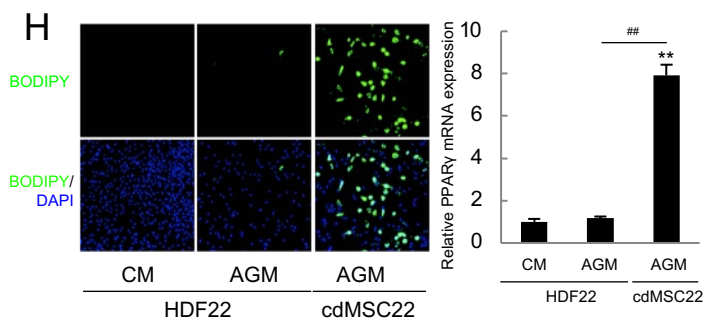
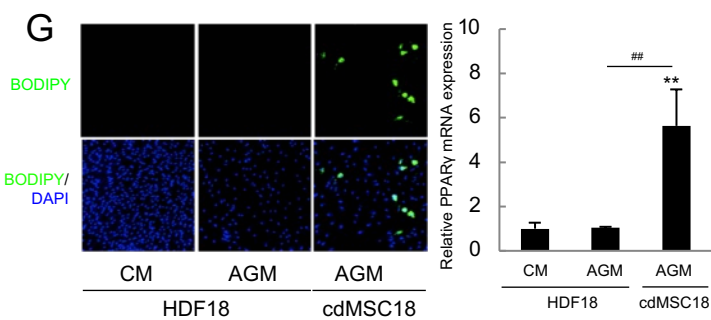
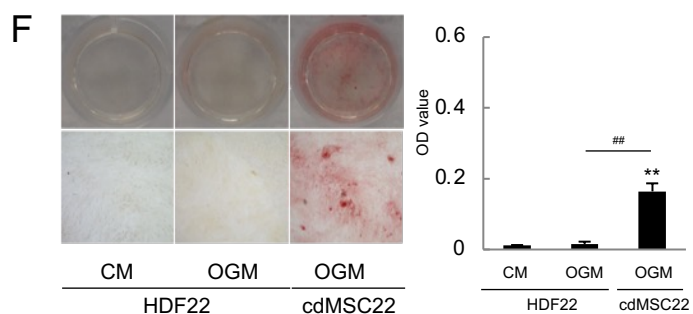
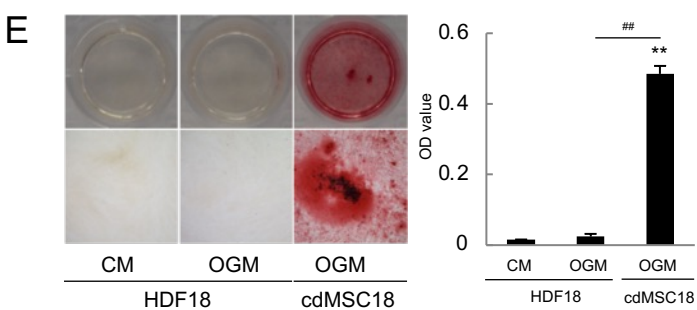
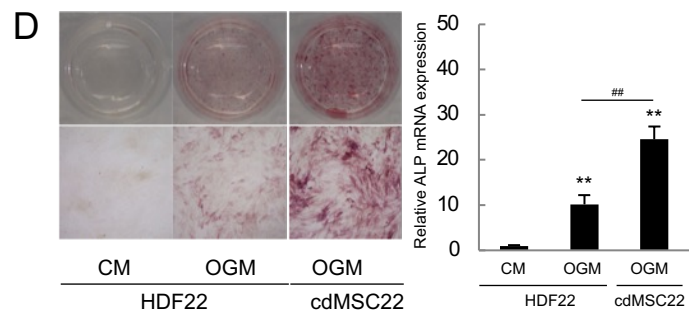
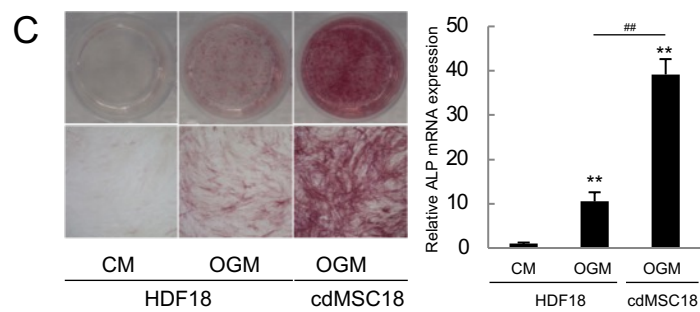
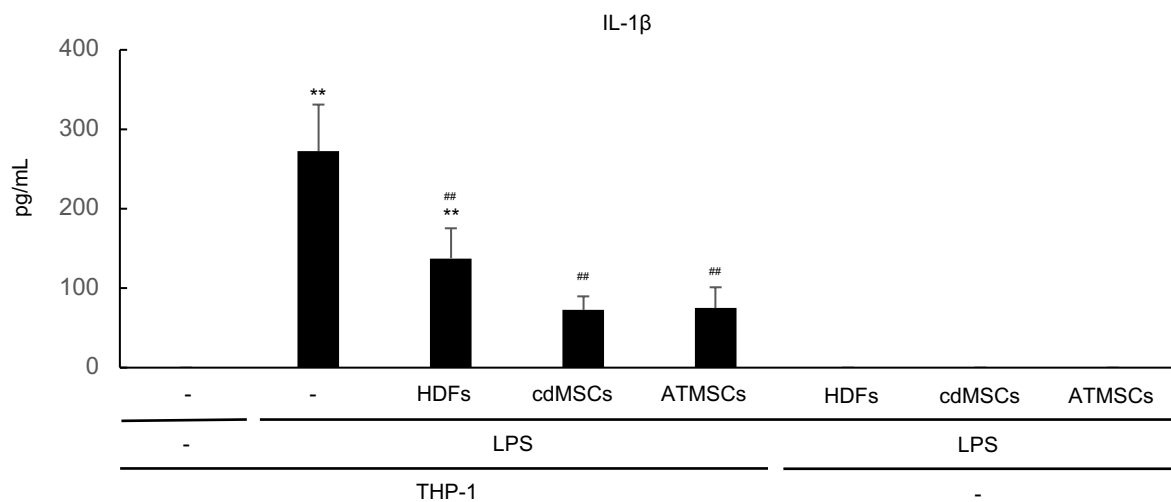


Fig. S2





K



L

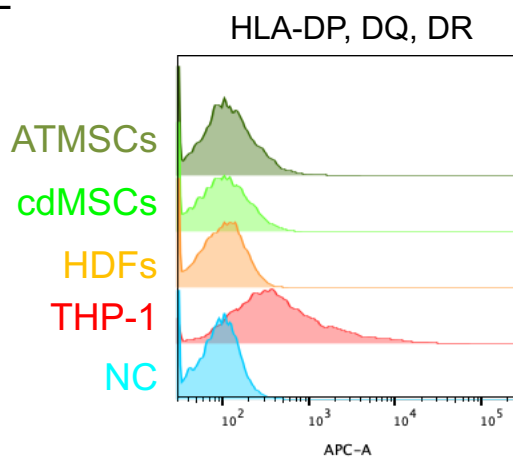


Fig. S3

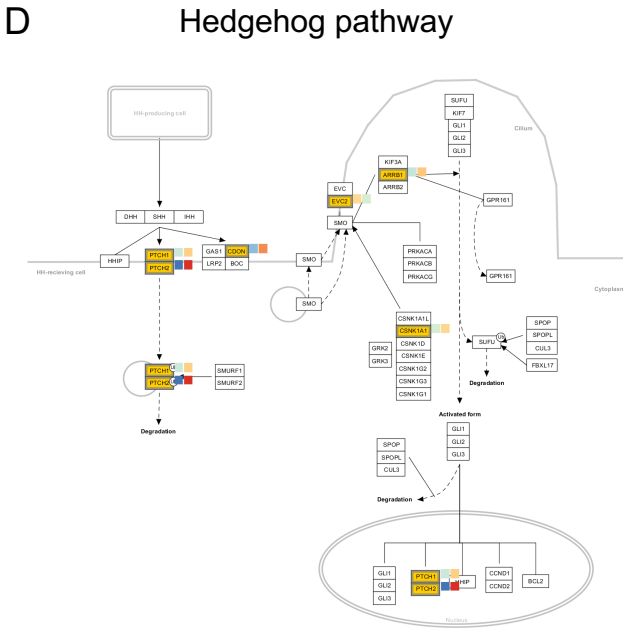
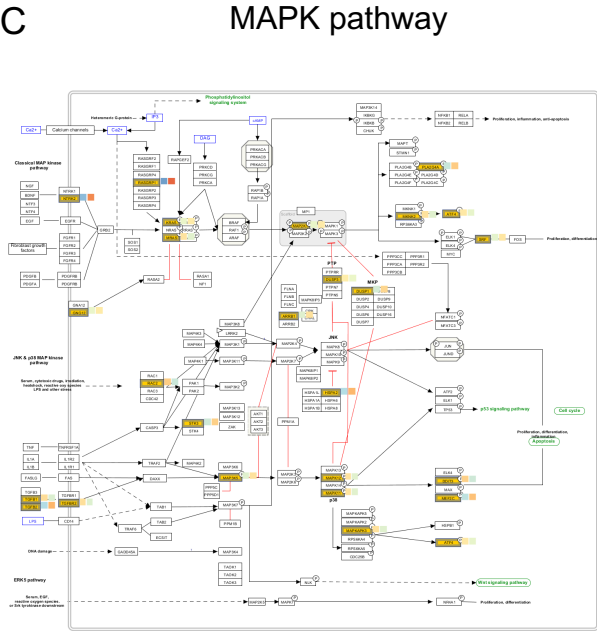
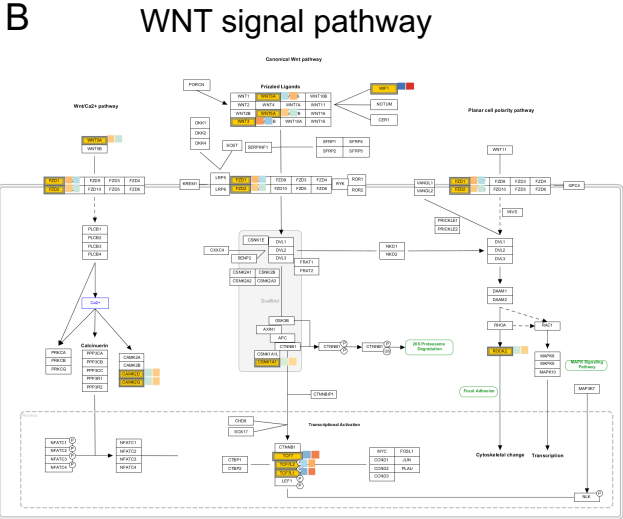
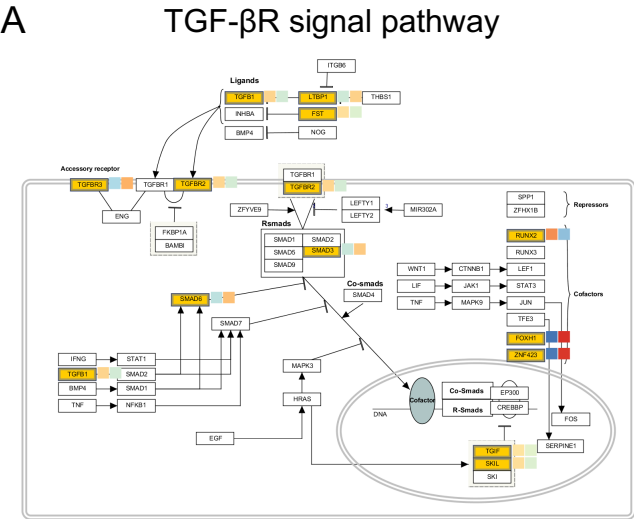


Fig. S4

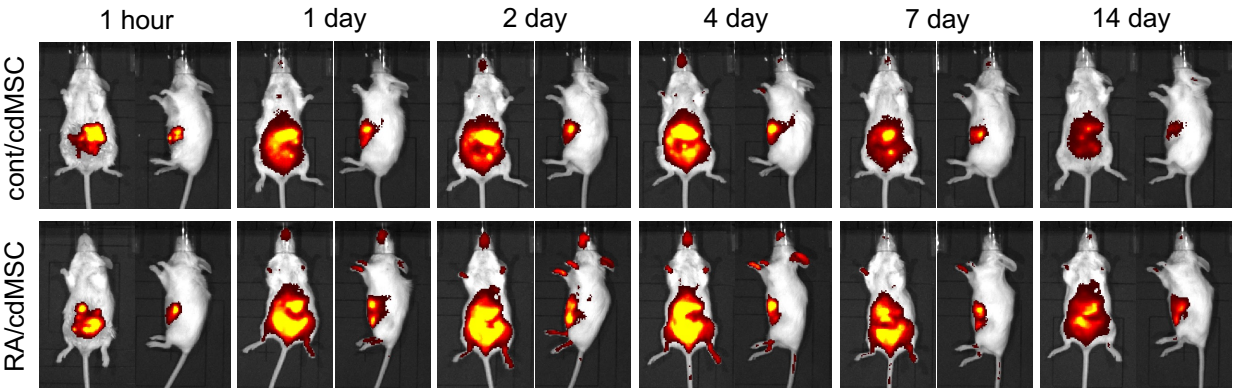


Table. S1

Antibody	Company	catalog number
FITC-anti Human CD31 anti-body	Becton Dickinson	555445
FITC-anti Human CD45 anti-bpdy	Becton Dickinson	555482
PE-anti Human CD34 anti-body	Becton Dickinson	550761
PE-anti Human CD146 anti-body	Becton Dickinson	550315
Pacific blue-anti Human CD73 anti-body	Biolegend	344011
APC-anti Human CD90 anti-body	Biolegend	328113
APC-anti Human CD105 anti-body	Biolegend	323207
APC-anti Human CD140b anti-body	Biolegend	323608
APC-anti Human CD271 anti-body	Becton Dickinson	560326
APC-anti Human HLA-DP, DQ, DR anti-body	Biolegend	361713
Anti-Mouse CD16/32 anti-body	Biolegend	101301
Pacific blue-anti Mouse CD3 anti-body	Biolegend	100213
APC-anti Mouse CD4 anti-body	Biolegend	100515
PE-anti Mouse IL-17A anti-body	Biolegend	506903
PE-anti Mouse FOXP3 anti-body	Biolegend	126403

Table. S2

Genes	Company	Sequence or Catalog Number
Human GAPDH	Applied Bioscience	F: 5'-CTCAAGATCATVAGCAATGCCTC-3'
		R: 5'-CCCACAGCCTTGGCAGC-3'
Human ALP	Applied Bioscience	F: 5'-TGACACCTGGAAGAGCTTCAAA-3'
		R: 5'-CCGTGCGGTTCCAGATG-3'
Human Runx2	Applied Bioscience	TaqMan™ Gene Expression Assay: Hs01047973_m1
Human Osteocalcin	Applied Bioscience	TaqMan™ Gene Expression Assay: Hs01587814_g1
Human ADIPOQ	Applied Bioscience	TaqMan™ Gene Expression Assay: Hs00605917_m1
Human PPAR γ	Applied Bioscience	TaqMan™ Gene Expression Assay: Hs01115513_m1
Human COL2A1	Applied Bioscience	TaqMan™ Gene Expression Assay: Hs01060345_m1
Human COL11A1	Applied Bioscience	TaqMan™ Gene Expression Assay: Hs01097634_g1
Human CD34 up-stream	Applied Bioscience	F: 5'-TAGTGTCTTCCACTCGGTGCG-3'
		R: 5'-CGCGGGCGGTACTCAC-3'
Human CD140b up-stream	Applied Bioscience	F: 5'-GGAACTGAGGCACTGAGAAATG-3'
		R: 5'-CCTCCCATCGCCCGTT-3'
Mouse β -actin	Applied Bioscience	TaqMan™ Gene Expression Assay: Mm02619580_g1
Mouse IL-1 β	Applied Bioscience	TaqMan™ Gene Expression Assay: Mm01336189_m1
Mouse IL-6	Applied Bioscience	TaqMan™ Gene Expression Assay: Mm00446190_m1
Mouse IL-17A	Applied Bioscience	TaqMan™ Gene Expression Assay: Mm00439618_m1
Mouse TNF- α	Applied Bioscience	TaqMan™ Gene Expression Assay: Mm00443258_m1
Mouse TGF- β	Applied Bioscience	TaqMan™ Gene Expression Assay: Mm00436955_m1
Mouse Nox1	Applied Bioscience	TaqMan™ Gene Expression Assay: Mm00549170_m1
Mouse MPO	Applied Bioscience	TaqMan™ Gene Expression Assay: Mm01298424_m1