

Supplementary Material

Deficiency of Caspase-1 Attenuates HIV-1-Associated Atherogenesis in Mice

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Table S1. Antibodies and reagents.

Antibodies and reagents	Company	Cat. No.
Anti-Mouse CD11b PE-Cyanine7, M1/70	eBioscience	25-0112-81
APC anti-mouse Ly-6G Antibody	Biolegend	127613
Anti-Mouse Ly-6C eFluor® 450	eBioscience	48-5932-80
FAM-FLICA	Immunochemistry Technology	97
Propidium Iodide	Immunochemistry Technology	638
CD68 antibody	Invitrogen	14-0681-82
CD3 Antibody (PC3/188A) FITC	Santa Cruz Biotechnology	sc-20047 FITC
CD163 antibody [EPR19518]	abcam	ab182422
M-CSF	Millipore Sigma	M6518-10UG
OxLDL	Kalen biomedical, LLC	770202-4
DAPI Solution	Thermo Scientific	62248
Caspase-1 (M-19)	Santa Cruz Biotechnology	sc-1218R
Goat anti-rat-IgG	Invitrogen	A-11006
Goat anti-rabbit-HRP	DAKO	P0448

Abbreviations: FAM-FLICA: Fluorescein amidites-labeled inhibitors of caspase; M-CSF: Macrophage colony-stimulating factor; oxLDL: oxidized low-density-lipoproteins; HRP: horseradish peroxidase.

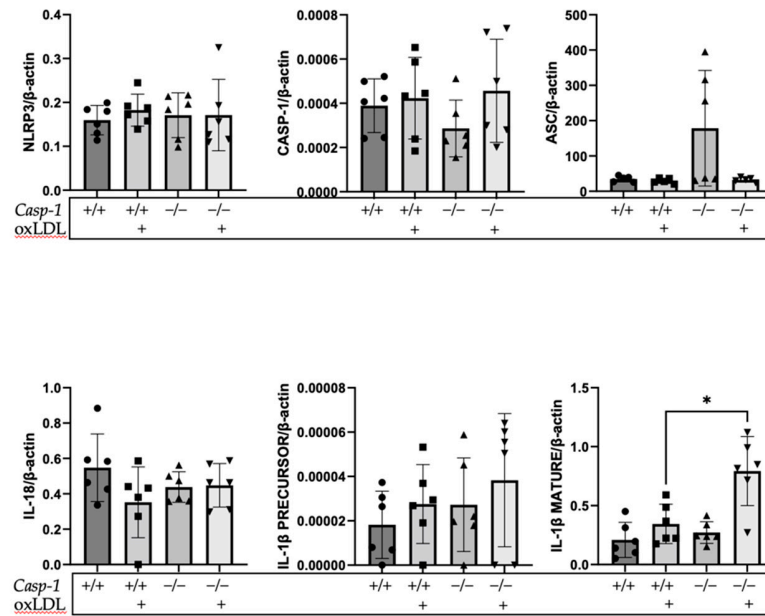


Figure S1. NLRP3 inflammasome pathway activation in MDMs from spleen of *Tg26*^{+/-}/*ApoE*^{-/-}/*Casp-1*^{+/+} and *Tg26*^{+/-}/*ApoE*^{-/-}/*Casp-1*^{-/-} mice after 12 weeks of an atherogenic diet. Monocyte-derived macrophages (MDM) cells isolated from spleens of caspase-1 sufficient and caspase-1 deficient mice, were cultured for 8 days and incubated with/without oxLDL (100 μg/mL) for 24 hours. mRNA levels were analyzed by RT-qPCR, normalized to β-actin, and compared between groups. Levels between all groups were analyzed using one-way ANOVA, and post-hoc t-tests were used. *p<0.05

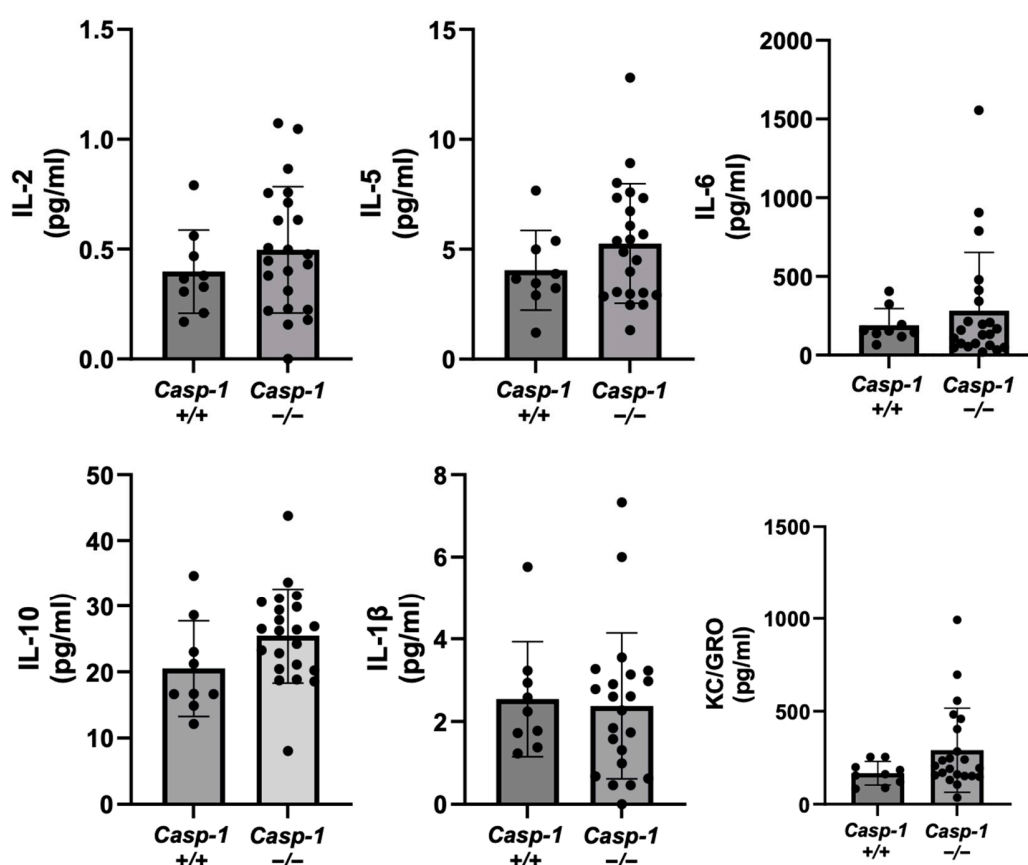


Figure S2. Proinflammatory cytokines detected serum from *Tg26*^{+/-}/*ApoE*^{-/-}/*Casp-1*^{+/+} and *Tg26*^{+/-}/*ApoE*^{-/-}/*Casp-1*^{-/-} mice on 12 weeks of an atherogenic diet. Serum from the *Tg26*^{+/-}/*ApoE*^{-/-}/*Casp-1*^{+/+} (*Casp-1*^{+/+}) and *Tg26*^{+/-}/*ApoE*^{-/-}/*Casp-1*^{-/-} (*Casp-1*^{-/-}) was analyzed for different proinflammatory cytokines. Data were analyzed by two-tailed t-tests.