Supplemental Tables

Supplemental table 1 : list of primers used for cDNA amplification

Gene	Forward primer (5'-3')	Reverse primer (5'-3')
Actin	TCCCTGGAGAAGAGCTACGA	AGGAAGGAAGGCTGCAAGAG
ATP6V1C1	CGGCAACTTCAAAGAACAAT	AAGCCCAACAGGAACCACACTG
Cathepsin K	GATGACTGGACTCAAAGTACC	AAGCCCAACAGGAACCACACTG
Gag	AGTGGGGGGACATCAAGCAGCCATGCAAT	TGCTATGTCACTTTCCCCTTGGTTCTCT
NFATc1	CACCGCATCACAGGGAAGAC	GCACAGTCAATGACGGCTC
RhoE	GACACTTCGGGTTCTCCT	CAAAGCAAATCAGCACAGC
TNFα	GAGGCCAAGCCCTGGTATG	CGGGCCGATTGATCTCAGC
TRAP	TGACTTCCTCAGCCAGCA	AGCCCACGCCATTCTCATCTTG
β3 integrin	CCTGCTCATCTGGAAACTC	TGGGTTGTTGGCTGTGTC

Supplemental table 2 : list of primary antibodies used and applications

Target protein	Host specie	Clonality	Supplier	Application	Catalog number
Anti-human HRP	Goat	Polyclonal	Sigma	ELISA	A0170
HIV (detection)	Human	Polyclonal	NIH AIDS Reagent Program	ELISA	3957
HIV-p24 (Capture)	Mouse	Monoclonal (IgG1 κ), clone 183-H12-5C	NIH AIDS Reagent Program	ELISA	3537
Anti-mouse AF555	Goat	Polyclonal	Cell Signaling	IF	4084
HIV-p24	Mouse	Monoclonal (IgG1), clone FH190-1-1	Beckman Coulter	IF	KC57-RD1
Vinculin	Mouse	Monoclonal (IgG1), clone hVIN-1	Sigma	IF	V9131
Anti-mouse HRP	Goat	Polyclonal	Dako	WB	P0447
Anti-rabbit HRP	Goat	Polyclonal	Dako	WB	P0448
Cathepsin K	Rabbit	Polyclonal	Abcam	WB	ab19027
RhoE	Mouse	Monoclonal (IgG1)	Cell Signaling	WB	3664
Tubulin	Mouse	Monoclonal (IgG1), clone B5-1-2	Sigma	WB	T5168
β3 integrin	Rabbit	Polyclonal	Cell Signaling	WB	4702

Supplemental Figure legends

Supplemental Figure 1 : (A) Infection of MF with HIV-1 (ADA or NLAD8 strain) was evaluated by measuring the expression of the viral gene Gag by RT-qPCR (left panel, results are normalized to GAPDH expression), calculating the fusion index by immunofluorescence (middle) and measuring p24 release in the supernatant by ELISA (right). Bars represent median, n = 4 to 9 donors. (B) Representative IF images of MF infected with Transmitted/founder strains SUMA (left) and THRO (right) after staining of HIV-p24 (red), F-actin (green), and nuclei (DAPI, blue). Scale bar, 20 µm. (E) Cathepsin K (Ctsk) protein expression level was measured by Western blot in lysates from OC and infected (HIV-MF , ADA or NLAD8 strain) or uninfected MF (NI-MF). Tubulin was used as loading control. A representative blot and quantification of CtsK level relative to autologous NI-MF are shown. Bars represent median, n = 6 donors. * $p \leq 0.05$; ** $p \leq 0.001$; *** $p \leq 0.001$, ns: not significantly different.

Supplemental Figure 2 : Monocytes were seeded on bone slices, differentiated into macrophages for 7 days. Cells were then infected or not with HIV-1 and all cells were fixed at day 14. Representative IF images of cells after staining for HIV-p24 (red), F-actin (green), and nuclei (DAPI, blue). Scale bar, 10 µm.

Supplemental Figure 3 : (A-B) MF were infected or not with HIV-1 (ADA or NLAD8 strain) for 10 days and their expression of pro-inflammatory cytokines was evaluated. (A) Released IL-1β (left) and IL6 (right) was measured in the supernatants by ELISA. Bars represent median, n = 5 to 7 donors. (B) TNFα expression was measured by RT-qPCR (results are normalized to actin). Bars represent median, n = 3 to 6 donors.