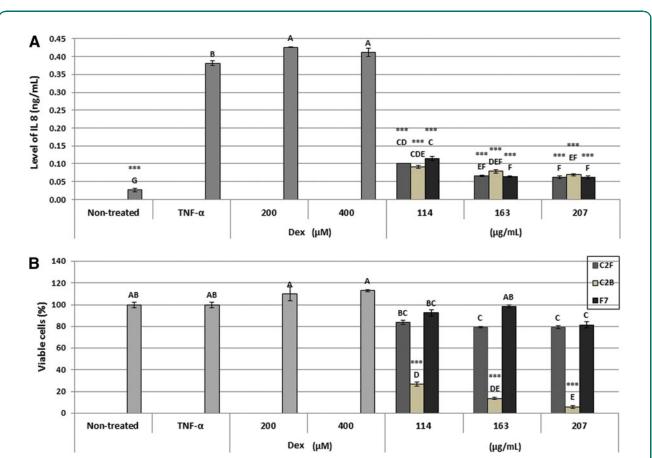
Supplementary Data



SUPPLEMENTARY FIG. S1. (A) Anti-inflammatory activity at different concentrations of *Cannabis sativa* ethanolic fresh flower extracts (C2F; 114–207 μ g/mL), baked flower extracts (C2B; 114–207 μ g/mL), F7 from fresh flower extracts (an HPLC fraction of C2F at concentrations of 114–207 μg/mL), and Dex at 200 and 400 μM on HT29 cells measured as level of IL-8 (ng/mL). HT29 were seeded (50,000 per well) in triplicate in 500 μ L growing media and incubated for 24 h at 37 $^{\circ}$ C in a humidified 5 $^{\circ}$ CO₂–95 $^{\circ}$ 8 air atmosphere. Cells were treated with 300 ng/mL TNF α and 50 μ L of C. sativa ethanol extract of C2F or fractions for 4 h. Nontreated are the cells without TNF α and treatments. Levels of IL-8 were measured from the supernatant using a commercial kit. Values (ng/mL) were calculated relative to a TNF α -treated control. (B) Determination of HT29 cell viability using Alamar Blue fluorescence (resazurin assay) as a function of live cell number. Cells were seeded and treated as described in (A). Next, the cells were incubated with Alamar Blue for 2 h. Relative fluorescence at the excitation/emission of 544/590 nm was measured. Values were calculated as percentage of live cells relative to the nontreated (cells without TNF α and treatments) control after reducing the autofluorescence of Alamar Blue without cells. Error bars indicate \pm SE (n = 3). *** Indicate data statistically significantly different in comparison with the control (TNF α -treated cells) at $p \le 0.0001$. Levels with different letters are significantly different from all combinations of pairs by Tukey's HSD. HPLC, high-performance liquid chromatography; HSD, honest significant difference; Dex, dexamethasone; IL, interleukin, TNF α , tumor necrosis factor alpha; SE, standard error; F7, fraction 7.