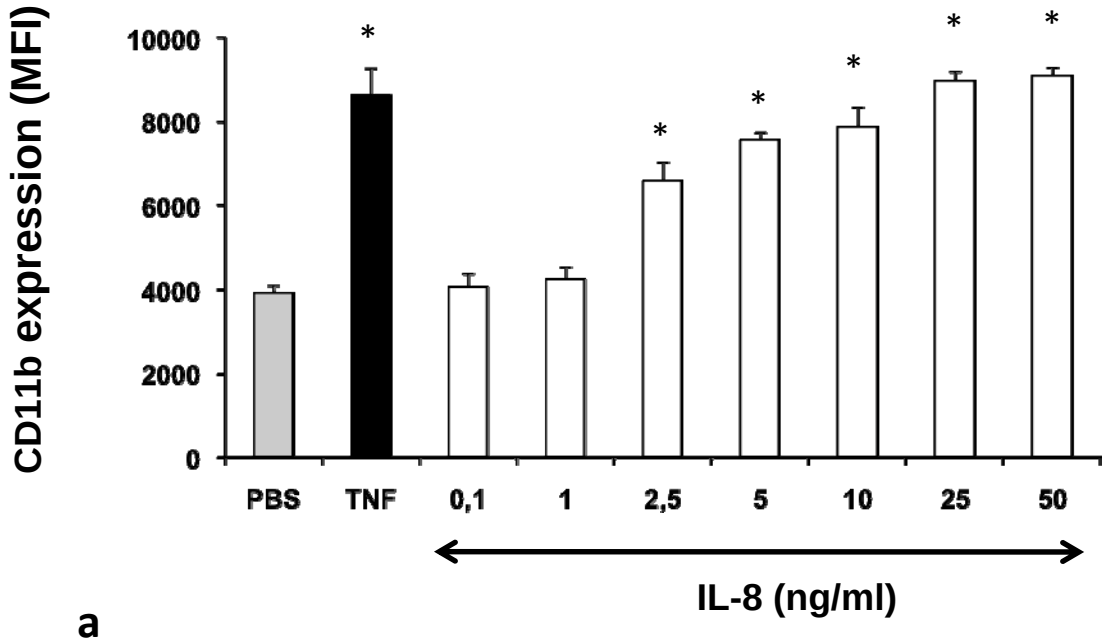
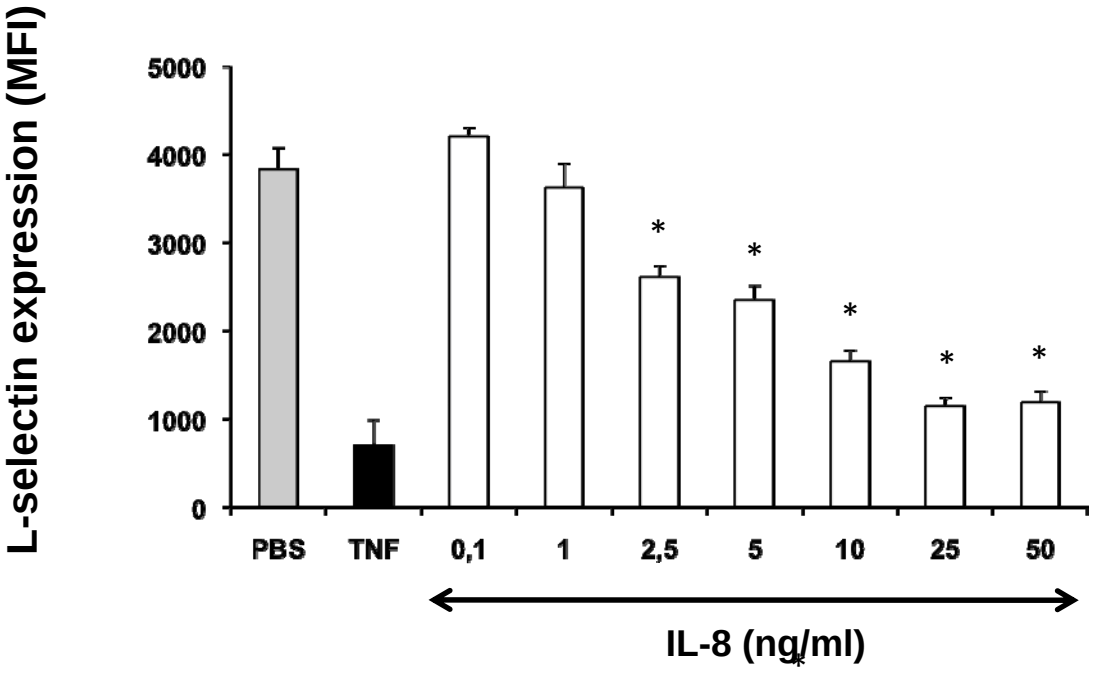
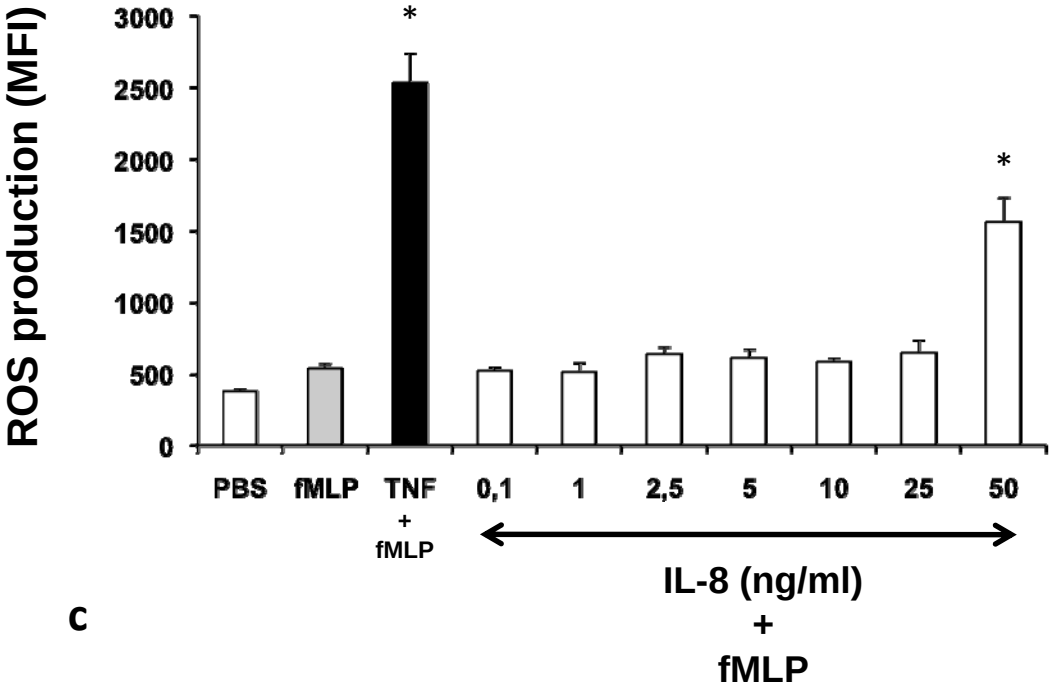
Fig. S1


CD11b expression (MFI)
10000
8000
6000
4000
2000
0
PBS
TNF
0,1
1
2,5
5
10
25
50
IL-8 (ng/ml)

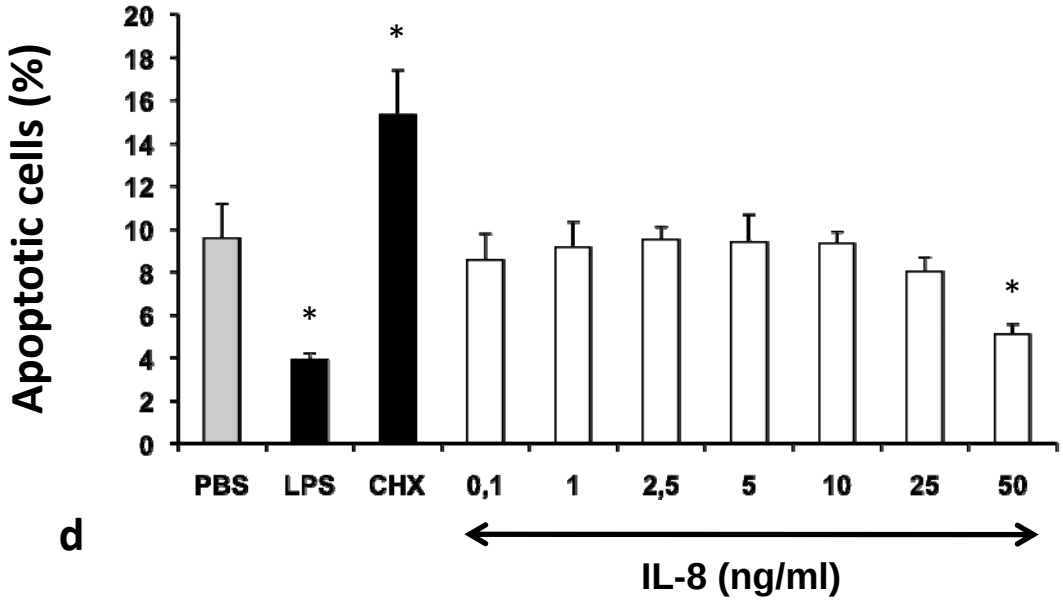
a


L-selectin expression (MFI)
5000
4000
3000
2000
1000
0
PBS
TNF
0,1
1
2,5
5
10
25
50
IL-8 (ng/ml)

b


ROS production (MFI)
3000
2500
2000
1500
1000
500
0
*
*
PBS
fMLP
TNF + fMLP
0,1
1
2,5
5
10
25
50
IL-8 (ng/ml) + fMLP

c


Apoptotic cells (%)
20
18
16
14
12
10
8
6
4
2
0
*
*
*
PBS
LPS
CHX
0,1
1
2,5
5
10
25
50
IL-8 (ng/ml)

d

Supplementary Material

Fig. S1. Effect of IL-8 on on PMN adhesion molecule expression, oxidative burst and survival.

a and b Effect of IL-8 on adhesion molecule expression. Whole-blood samples were incubated at 37°C for 1 h with PBS, IL-8 (0.1 – 50 ng/ml) or TNF-α (100 U/ml, used as a positive control). Samples were then stained with PE-anti-CD11b (**a**) and purified anti-L-selectin (**b**) Abs at 4°C for 30 min. The results are expressed as mean fluorescence intensity (MFI). Values are means ± sem (n=3).

c Effect of IL-8 on PMN oxidative burst. Whole-blood samples were pretreated with HE for 15 min at 37°C and then incubated for 1h with PBS, IL-8 (0.1 – 50 ng/ml) or TNF-α (100 U/ml), followed by fMLP stimulation (10^{-6} M, 5 min). The results are expressed as mean fluorescence intensity (MFI). Values are means ± sem (n=3).

d Effect of IL-8 on PMN survival

Whole-blood samples were incubated in 24-well tissue culture plates at 37°C with 5% CO_2 for 3 h with PBS or IL-8 (0.1–50 ng/ml ng/ml). Cycloheximide (10 µg/ml) and LPS (10 ng/ml) were used as proapoptotic and antiapoptotic controls, respectively. The percentage of apoptotic cells was then determined as described in the legend of Fig. 2. The results are expressed as the percentage of apoptotic cells. Values are means ± sem (n=3).

* Significantly different from sample incubated with PBS (**a, b, d**) or fMLP (**c**) ($p < 0.05$).