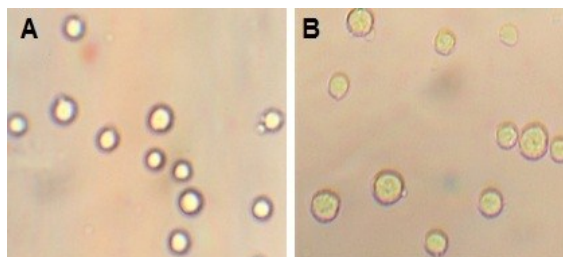
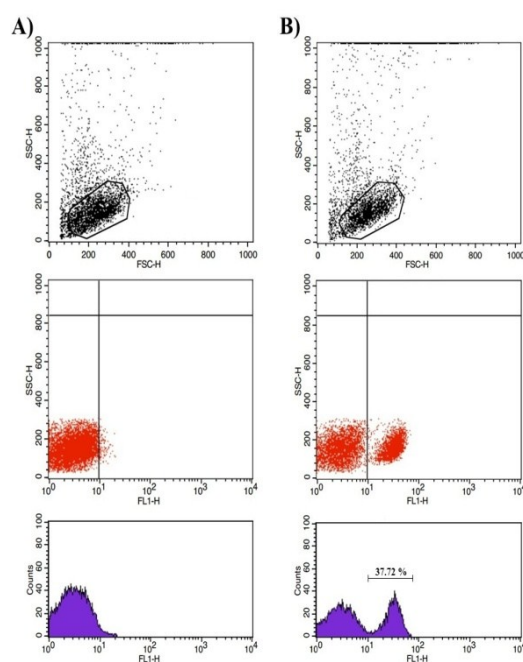


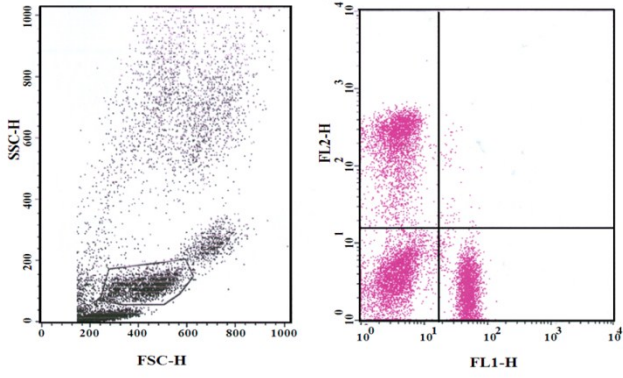
Supplementary data



Supplementary Fig. 1 microscopic analysis of A) PBMC and B) HeLa cell suspensions. 400 times magnification.



Supplementary Fig. 2 Dot plots, gating strategies and fluorescence histograms of A) Non-treated PBMCs and B) PBMCs treated with FITC-labeled anti-Human CD4 IgG. Excitation at 488 nm by an argon laser (20 mW). 37.72 % of the gated cells showed an increased fluorescence signal after treatment with the FITC-labeled antibody.



| Quad | Events | % Gated | %Total | X Mean | X Geo Mean | Y Mean | Y Geo Mean |
|------|--------|---------|--------|--------|------------|--------|------------|
| UL | 2972 | 29.68 | 7.72 | 4.29 | 3.81 | 228.44 | 180.29 |
| UR | 69 | 0.69 | 0.18 | 31.88 | 29.72 | 101.86 | 61.29 |
| LL | 3494 | 34.89 | 9.07 | 4.14 | 3.49 | 4.19 | 3.45 |
| LR | 3480 | 34.75 | 9.04 | 51.10 | 49.60 | 2.73 | 2.22 |

Supplementary Fig. 3 Flow cytometric analysis of stained CD4+ cells from healthy control subject. An acquisition gate was established based on FSC and SSC that included CD4+ cells.