**Supplementary Table 3, online only. Serum levels of cytokines by flow cytometry**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Median (SEM)pg/mL | Healthy controls | CG | LdD | HdD |
| IFN-γ*Day +1**Day +7**Day +14**Day +21**Day +56**Day +100* | **7,97(0,46)** | 9,10(0,87) \*♦11,93(3,10)18,97(5,67) ♦7,91(0,73)9,36(1,18)8,94(1,17) | 6,53(0,47) \*12,47(2,58)8,41(0,88)8,65(1,66)7,96(0,82)7,00(0,37) | 6,22(0,55) ♦17,3(8,36)7,79(1,42) ♦6,15(0,73)6,22(0,51)7,83(1,15) |
| TNF-α*Day +1**Day +7**Day +14**Day +21**Day +56**Day +100* | **7,36(0,11)** | 8,31(0,72)7,53(0,30) ♦8,33(0,36) ♦7,77(0,37)7,54(0,28)7,52(0,49) | 6,73(0,21)7,06(0,16)7,23(0,17)9,90(2,85)6,88(0,16)6,70(0,18) # † | 6,56(0,27)6,68(0,25) ♦6,92(0,25) ♦13,70(6,78)7,69(0,69)9,80(1,82) † |
| IL2*Day +1**Day +7**Day +14**Day +21**Day +56**Day +100* | **6,73(0,39)** | 8,48(0,20) **#\*♦**8,50(0,16) **#\*♦**8,69(0,20) **#\*♦**8,33(0,12) **#\*♦**8,43(0,20) **#\*♦**8,81(0,41) **#\*♦** | 7,86(0,48) **\***7,98(0,43) **\***8,04(0,53) **\***8,03(0,49) **\***7,80(0,52) **\***7,17(0,51) **\*** | 7,61(0,31)**♦**7,42(0,20)**♦**7,19(0,26)**♦**7,28(0,25)**♦**7,52(0,28)**♦**7,34(0,33)**♦** |
| IL4*Day +1**Day +7**Day +14**Day +21**Day +56**Day +100* | **8,67(0,19)** | 7,65(0,15) **#**7,37(0,12) **#**7,84(0,22) **#**7,48(0,11)7,55(0,25) **#**7,67(0,51) **#** | 7,58(0,19) **#**7,95(0,17) **#**7,92(0,42)7,67(0,25) **#**7,83(0,26)7,60(0,19) **#** | 6,98(0,43)7,12(0,40)7,11(0,39) **#**7,20(0,39)7,40(0,37)7,76(0,44) |
| IL6*Day +1**Day +7**Day +14**Day +21**Day +56**Day +100* | **9,13(0,58)** | 45,99(12,62) **#**100,12(34.43) **#**56,49(17,24) **#**22,50(3,10) **#**18,20(2,13) **#**18,69(2,16) **#** | 30,10(8,64)78,13(20,17) **#**51,80(12,58) **#**30,57(8,84) **#**16,41(4,40)15,72(2,75) | 53,23(21,56) **#**95,85(23,62) **#**36,77(7,49) **#**25,62(9,44)16,31(3,38)14,96(2,35) |
| IL10*Day +1**Day +7**Day +14**Day +21**Day +56**Day +100* | **8,98(0,47)** | 9,41(0,46) **\***10,83(1,15)12,00(0,95)10,54(0,48)10,31(0,45) **\***10,29(0,58) | 8,33(0,29) **\***9,57(0,69)12,24(2,63)11,12(1,27)8,71(0,26) **\***9,49(0,27) | 8,24(0,52)11,33(1,72)12,45(1,40) **#**10,49(0,55)10,58(1,08)9,53(0,54) |

SEM: standard error of the mean. CG: control group, LdD: low dose group (1000 UI); HdD: high dose group (5000 UI); IFN: interferon; TNF tumor necrosis factor; IL: interleukin. #significant differences between healthy and treatment group (p<0.05) \*significant differences between CG and LdD (p<0.05) ♦significant differences between CG and HdD (p<0.05) † significant differences between LdD and HdD (p<0.05)