Suppl. Table 1: Quantification of the depletion efficiency by flow cytometry analysis.

Cell counts at day of oral inoculation with *E. multilocularis* eggs. Blood cells were stained with anti-CD161 (anti-NK cell), anti-rat granulocyte HIS48 and anti-rat CD68 (anti-macrophage) antibodies. In all experiments, the cells were pre-gated on viable, single cells for analysis.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group-ID** | **Treatment/depletion** | **Cell counts (%)** | | | |
|  |  | **PMN** | **Monocytes** | **Macrophages** | **NK cells** |
| PG1 | PMN control | 8.75 | 3.05 | 2.25 | - |
| TG1 | anti-PMN | 0.46 | 0.96 | 0.29 | - |
| PG2 | macrophage control | 7.94 | 4.33 | 5.03 | - |
| TG2 | anti-macrophage | 10.96 | 4.57 | 1.53 | - |
| PG3 | NK cell control | - | - | - | 3.02 |
| TG3 | anti-NK cell | - | - | - | 0.00 |
| PG4 | PMN, macrophage, NK cell control | 21.33 | 4.80 | 3.64 | 2.63 |
| TG4 | anti-PMN, -macrophage, -NK cell | 18.80 | 4.69 | 1.21 | 0.01 |
| TG5 | anti-NK cell, -PMN | 0.40 | 1.92 | 0.36 | 0.00 |
| TG6 | anti-NK cell, -macrophage | 20.87 | 4.34 | 1.02 | 0.00 |
| TG7 | anti-PMN, -macrophage | 16.96 | 5.90 | 1.25 | - |

PMN= polymorphonuclear cells

Suppl. Table 2: Quantitative morphometric results from rat’s jejunum, 16-17 hours after egg inoculation.

MPO+ cells present in the rat’s mucosa 16-17 hours after inoculation with E. multilocularis eggs. group HCG: non-treated, non-infected rats (n=4); group HPG: rats treated with unspecific rabbit serum, and inoculated orally with 1’000 SH-resistant E. multilocularis eggs (n=5); group HTG: rats treated with anti-PMN rabbit serum and inoculated orally with 1’000 SH-resistant E. multilocularis eggs (n=5). Jejunum was divided into three segments with equal lengths.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Jejunum segement | group | treatment | n | mean | SD |
| J1 | HTG | anti-PMN | 5 | 169.96 | 15.148 |
| HPG | PMN control | 5 | 178.72 | 53.044 |
| HCG | none | 4 | 175.2 | 14.566 |
| J2 | HTG | anti-PMN | 5 | 174.16 | 16.07 |
| HPG | PMN control | 5 | 147.04 | 41.295 |
| HCG | none | 4 | 175.35 | 9.141 |
| J3 | HTG | anti-PMN | 5 | 185.14 | 31.517 |
| HPG | PMN control | 5 | 160.32 | 51.776 |
| HCG | none | 4 | 178.725 | 10.06 |
| J1+J2+J3 | HTG | anti-PMN | 5 | 529.3 | 55.9 |
| HPG | PMN control | 5 | 486.0 | 133.3 |
| HCG | none | 4 | 529.3 | 32.1 |

PMN: polymorphonuclear cells