**Supplemental Table 1:** Splenic cellular composition in B6, B6.Nba2 and IDO-manipulated B6.Nba2 mice.

| | B6[1] | B6.Nba2[2] | B6.Nba2.IDO1$^{-/-}$[3] | B6.Nba2 + 1-D-MT[4] | B6.Nba2.IDO1$^{-/-}$ + 1-D-MT[5] |
|---|---|---|---|---|---|
| Total Splenocytes in millions | 75 ± 8.6[6] | 130 ± 15.6* | 113 ± 11.8* | 100 ± 8.16(*) | 117 ± 23.1 |
| **Dendritic Cells** | | | | | |
| cDCs | 0.6 ± 0.09[6] | 1.7 ± 0.20** | 1.2 ± 0.07**,(#) | 1.1 ± 0.10*,# | 1.1 ± 0.32 |
| pDCs (all) | 0.6 ± 0.1 | 1.8 ± 0.27** | 1.6 ± 0.28(#) | 1.2 ± 0.32 | 1.5 ±0.57 |
| CD19$^+$ pDCs | 0.3 ± 0.06 | 1.2 ± 0.28* | 1.3 ± 0.25* | 0.7 ± 0.28 | 1.2 ± 0.52 |
| SiglecH$^+$ pDCs | 0.2 ± 0.06 | 0.3 ± 0.05 | 0.2 ± 0.04 | 0.2 ± 0.02(#) | 0.3 ± 0.08 |
| **T cells** | | | | | |
| CD8$^+$ | 10.6 ± 1.41 | 15.1 ± 1.73(*) | 11.8 ± 1.79 | 13.0 ± 1.11 | 12.5 ± 1.11 |
| CD4$^+$ (all) | 17.3 ± 3.65 | 29.0 ± 4.65(*) | 22.9 ± 4.35 | 23.2 ± 3.21 | 20.9 ± 2.62 |
| Foxp3$^+$CD4$^+$ Treg | 0.89 ±0.27 | 2.0 ± 0.30* | 1.5 ± 0..23 | 1.4 ± 0.26 | 1.5 ± 0.32 |
| Naïve CD4$^+$ CD62L$^{hi}$CD44$^{low}$ | 12.3 ±2.52 | 13.9 ± 2.47 | 10.3 ± 2.87 | 13.0 ± 1.99 | 9.0 ± 0.99 |
| Eff-mem CD4$^+$ CD62L$^{low}$CD44$^{hi}$ | 2.1 ±0.44 | 8.3 ± 1.68** | 6.8 ± 0.86** | 4.9 ± 0.83*,(#) | 6.8 ± 1.51(*) |
| CD69$^+$CD4$^+$ | 1.3 ± 0.28 | 3.9 ±0.81* | 3.3 ±0.61* | 2.3 ±0.41(*) | 3.1 ±0.68(*) |
| **Myeloid cells** | | | | | |
| Gr1$^+$CD11b$^+$ | 2.1 ± 0.29 | 3.3 ± 0.37* | 5.6 ± 1.85 | 2.5 ± 0.22 | 3.5 ± 1.43 |
| F4/80$^+$CD11b$^+$ | 0.9 ± 0.19 | 0.8 ± 0.15 | 0.7 ± 0.34 | 0.5 ± 0.06 | 0.6 ± 0.19 |
| SignR1$^+$ MΦ | 0.4 ± 0.06 | 0.3 ± 0.03 | 0.3 ± 0.02 | 0.3 ± 0.06 | 0.2 ± 0.05 |
| **B cells** | | | | | |
| All B cells | 36.5 ± 6.70 | 64.4 ± 8.02* | 56.7 ± 7.75 | 49.8 ± 4.77 | 65.0 ± 16.6 |
| CD69$^+$B220$^+$ | 0.1 ± 0.02 | 0.3 ± 0.06* | 0.3 ± 0.02** | 0.2 ± 0.03(*) | 0.2 ± 0.05 |
| GC B cells | 0.40 ± 0.12 | 2.38 ± 0.38** | 1.70 ± 0.14** | 1.59 ± 0.41* | 1.62 ± 0.32* |
| CD138$^+$B220$^{low}$ Plasma cells | 0.06 ± 0.008 | 1.0 ± 0.28* | 1.1 ± 0.15** | 0.55 ± 0.15* | 0.66 ± 0.29 |

[1] n = 3; [2] n = 8; [3] n = 4; [4] n = 7; [5] n = 4. [6]AVG ± SEM, numbers expressed in millions.
* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; (*) $p = 0.06$-$0.09$: versus B6. # $p \leq 0.05$; (#) $p = 0.06$-$0.09$: versus B6.Nba2