Supplementary information

IL-10 constrains sphingolipid metabolism to limit inflammation

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IL-10 constrains sphingolipid metabolism to limit inflammation

Supplemental Information Guide:

Figure 1: Example flow cytometry gating for immune cell populations purified from colons of chimeric mice.....p1

Figure 2: Example flow cytometry gating for immune cell populations purified from murine colons.....p2

Α. ž Rai _ymphocytes 200 200K ID-APC-CV7-A :: Epcam 10 150 SSC-A FSC-W 100K 1006 10 Live Epcam-50K 50K Single Cells -10 1504 200K 150K 250K 100K 10³ 1 10⁴ 0 FSC-A FSC-H mp-AmCyan-A :: Live Dead 10 5 10 5 CD45.2 Monocytes 2469 Ly6G Neutrophils Comp-PE-Cy7-A :: CD45-2 Ly6C 10 4 10 Comp-Q dot 605-A :: Ly6G-Comp-Alexa Fluo 10 3 10 3 10 0.94 M CD45.1 0 0 -10 -10 10³ 10⁴ 103 10 5 10 3 10[°] 10 -10 ' 10 ⁴ -10 0 0 0 Comp-Alexa Fluor 405-A :: CD45-1 Comp-Qdot705-A :: Cd11b Comp-Qdot705-A :: Cd11b 10 5 10 Macrophage Comp-AP-C-A :: CD11c 10 Comp-PE-A :: CD64 CD64+ 10 10 Sec. Sec. 0 -10 10³ 10³ " 10⁴ Co mp-Alexa Fluor 680-A :: MHC-I Comp-Alexa Fluor 680-A : мнс-іі Β. 250K 250K 10 5 Lymphocytes 200K 200K Comp-APC-Cy7-A :: EpCam 10 150K 150K Live Epcam-SSC-A FSC-W 100K 100K 10 50K Single Cells 200K 100K 250K 10 5 50K 150K 100K 150 200 250K . 10³ . 10⁴ -10 Comp-AmCyan-A :: FVD FSC-A FSC-H V]Q1 10 5 CD45.2 10 10⁵ 10 Comp-Alexa Fluor 700-A :: CD45-2 Comp-Pacific Blue-A :: CD8 104 Comp-FITC-A :: CD19 10 10 Comp-PE-A :: IFNg 4 10

Supplemental Information: Figure 1:

Figure 1: Example flow cytometry gates for A) myeloid and B) Lymphoid immune cell populations purified from colons of chimeric mice

10

-10 3 0 10³

T cells

10⁴

Comp-Qdot705-A :: TCRb

10⁵

10 3

0

-10

-10 3 0 10³

10 3

0

-10 8

-10 3 0 10³ 10⁴

Comp-PE-Cy7-A :: CD45-1

10⁵

CD4 T cells

10⁴

10 5

1000

Comp-Qdot 605-A :: CD4

Q2

Q3

10⁴

Comp-APC-A :: IL17a

10⁵

100

Q4

Supplemental Information: Figure 2: Α. 105 -CP-Cy5-5-A :: CD45-2 10 FSC-W SSC-A 10



Figure 2: Example flow cytometry gates for A) myeloid and B) Lymphoid immune cell populations purified from murine colons