

Candida tropicalis Systemic Infection Redirects Leukocyte Infiltration to the Kidneys Attenuating Encephalomyelitis

Natália Munhoz-Alves ¹, Luiza Ayumi Nishiyama Mimura ¹, Rosa Marlene Viero ², Eduardo Bagagli ¹, Jean Pierre Schatzmann Peron ³, Alexandrina Sartori ^{1,4}, and Thais Fernanda de Campos Fraga-Silva ^{1*}

¹ Department of Chemistry and Biological Sciences, Institute of Biosciences, São Paulo State University (UNESP), Botucatu 18618-689, Brazil; natalia.mnhz@gmail.com (N.M.-A.); luizamimura@gmail.com (L.A.N.M.); eduardo.bagagli@unesp.br (E.B.); alexandrina.sartori@unesp.br (A.S.)

² Department of Pathology, Botucatu Medical School, São Paulo State University (UNESP), Botucatu 18618-687, Brazil; rosa.viero@unesp.br

³ Neuroimmune Interactions Laboratory, Department of Immunology, Institute of Biomedical Sciences (ICB) IV, University of São Paulo (USP), São Paulo 05508-000, Brazil; jeanpierre@usp.br

⁴ Postgraduate Program in Tropical Diseases, Botucatu Medical School, São Paulo State University (UNESP), Botucatu 18618-687, Brazil

* Correspondence: thaisfragasilva@gmail.com

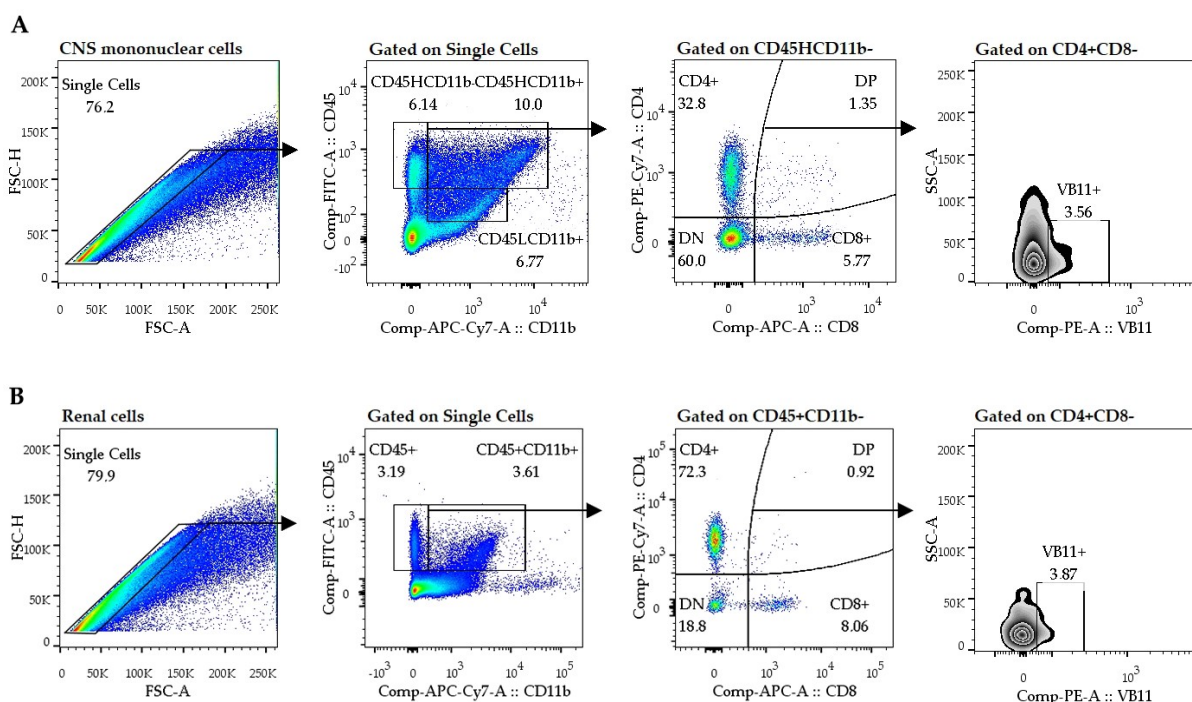


Figure S1. Flow cytometric gate strategy for leukocyte populations. CNS mononuclear cells (A) and renal cells (B) were collected and analyzed by flow cytometry. The percentage of macrophages or activated microglia (CD45^{High}CD11b⁺) and other immune cells (CD45^{High}CD11b⁻) was evaluated in single cells (FSC-H vs FSC-A) gating. The percentage of T helper lymphocytes (CD4⁺CD8⁻) was gating to assess the percentage of VB11⁺ cells. Non-stained cells were used to define gating strategy. Flow cytometry images were created using FlowJo 10.7.1.

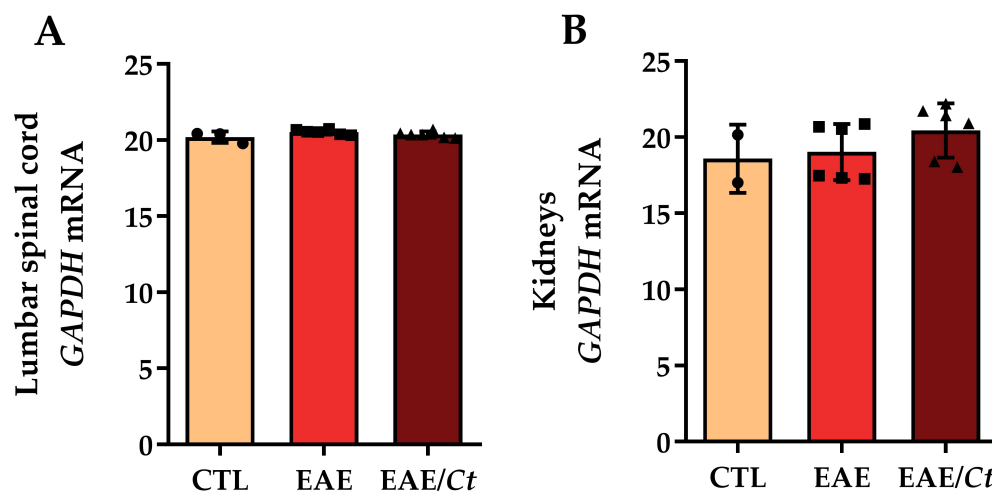


Figure S2. Expression of endogenous PCR control. Female C57BL/6 mice were infected with 1×10^6 viable *C. tropicalis* yeasts three days after EAE induction and evaluated for the *GAPDH* mRNA expression in lumbar spinal cord (A) and kidney (B) homogenate. The results are expressed as mean \pm SD; $n=2-3$ /group in CTL mice and $n=6$ /group in EAE mice.