

Accepted Manuscript

Title: Cyclophosphamide-modified murine peritoneal macrophages induce CD4⁺ T contrasuppressor cells that protect contact sensitivity T effector cells from suppression

Authors: Monika Majewska-Szczepanik, Paulina Kowalczyk, Dominika Biała, Katarzyna Marcińska, Anna Strzępa, Dorota Woźniak, Piotr Sura, James Pearson, Li Wen, Marian Szczepanik

PII: S1734-1140(17)30193-7
DOI: <https://doi.org/10.1016/j.pharep.2018.02.015>
Reference: PHAREP 865

To appear in:

Received date: 10-3-2017
Revised date: 17-10-2017
Accepted date: 19-2-2018

Please cite this article as: Monika Majewska-Szczepanik, Paulina Kowalczyk, Dominika Biała, Katarzyna Marcińska, Anna Strzępa, Dorota Woźniak, Piotr Sura, James Pearson, Li Wen, Marian Szczepanik, Cyclophosphamide-modified murine peritoneal macrophages induce CD4⁺ T contrasuppressor cells that protect contact sensitivity T effector cells from suppression (2010), <https://doi.org/10.1016/j.pharep.2018.02.015>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Cyclophosphamide-modified murine peritoneal macrophages induce CD4⁺ T
contrasuppressor cells that protect contact sensitivity T effector cells from suppression**

Monika Majewska-Szczepanik¹, Paulina Kowalczyk¹, Dominika Biała¹, Katarzyna
Marcinińska¹, Anna Strzępa¹, Dorota Woźniak¹, Piotr Sura¹, James Pearson², Li Wen², Marian
Szczepanik¹

¹Department of Medical Biology, Jagiellonian University College of Medicine, Kopernika 7,
PL 31-034 Kraków, Poland

²Department of Internal Medicine, Section of Endocrinology, Yale University School of
Medicine, 333 Cedar St., New Haven, CT 06520-8013, USA

***Corresponding author:** Marian Szczepanik, e-mail: mmszczep@cyf-kr.edu.pl

ABSTRACT

Background: Cyclophosphamide (CY) is one of the most widely used alkylating agents in the treatment of various cancers and some autoimmune diseases. Numerous reports suggest that CY exerts immunoregulatory effects. Animal studies have shown CY affects contact sensitivity (CS) response by depleting CD4⁺CD25⁺ T regulatory cells and CD8⁺ T suppressor (Ts) cells. In a mouse model of CS, we previously showed that *in vivo* treatment with CY shapes the immunogenic/immunoregulatory balance of peritoneal macrophages. The aim of the current study is to verify if macrophages from CY-treated mice are indeed able to induce immunoregulatory cells that could protect from suppression.

Download English Version:

<https://daneshyari.com/en/article/8349551>

Download Persian Version:

<https://daneshyari.com/article/8349551>

[Daneshyari.com](https://daneshyari.com)