

## Accepted Manuscript

Title: A20 ameliorates inflammatory bowel disease in mice via inhibiting NF- $\kappa$ B and STAT3 activation

Authors: Seung Hoon Lee, Hye-Rim Lee, Ji Ye Kwon, KyungAh Jung, Se-Young Kim, Keun-Hyung Cho, JeongWon Choi, Han Hee Lee, Bo-In Lee, Dae-Myung Jue, Mi-La Cho



PII: S0165-2478(17)30600-4  
DOI: <https://doi.org/10.1016/j.imlet.2018.03.015>  
Reference: IMLET 6195

To appear in: *Immunology Letters*

Received date: 19-12-2017  
Revised date: 5-3-2018  
Accepted date: 28-3-2018

Please cite this article as: Lee Seung Hoon, Lee Hye-Rim, Kwon Ji Ye, Jung KyungAh, Kim Se-Young, Cho Keun-Hyung, Choi JeongWon, Lee Han Hee, Lee Bo-In, Jue Dae-Myung, Cho Mi-La. A20 ameliorates inflammatory bowel disease in mice via inhibiting NF- $\kappa$ B and STAT3 activation. *Immunology Letters* <https://doi.org/10.1016/j.imlet.2018.03.015>

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.

# A20 ameliorates inflammatory bowel disease in mice via inhibiting NF- $\kappa$ B and STAT3 activation

Seung Hoon Lee<sup>1</sup>, Hye-Rim Lee<sup>1</sup>, Ji Ye Kwon<sup>1</sup>, KyungAh Jung<sup>2</sup>, Se-Young Kim<sup>1</sup>, Keun-Hyung Cho<sup>1</sup>, JeongWon Choi<sup>1</sup>, Han Hee Lee<sup>3</sup>, Bo-In Lee<sup>3</sup>, Dae-Myung Jue<sup>4</sup> and Mi-La Cho<sup>1</sup>

<sup>1</sup>The Rheumatism Research Center, Catholic Research Institute of Medical Science, The Catholic University of Korea, Seoul, South Korea

<sup>2</sup>Impact Biotech, Korea 505 Banpo-Dong, Seocho-Ku, 137-040, Seoul, Korea

<sup>3</sup>Division of Gastroenterology, Department of Internal Medicine, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea

<sup>4</sup>Department of Biochemistry, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea.

Address correspondence to

Mi-La Cho, PhD, Rheumatism Research Center, Catholic Institutes of Medical Science, The Catholic University of Korea, 505 Banpo-dong, Seocho-gu, Seoul 137-040, Korea (South), Tel: 82-2-2258-7467; Fax: 82-2-599-4287; E-mail: iammila@catholic.ac.kr.

## Highlights

- A20 overexpression inhibits STAT3 activation in HT29 cells.
- A20 overexpression reduces intestinal inflammation *in vivo*.
- A20 can improve colitis through suppression of Th17 cells

Download English Version:

<https://daneshyari.com/en/article/8738305>

Download Persian Version:

<https://daneshyari.com/article/8738305>

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