Title:

Generation and characterization of regulatory dendritic cells derived from murine induced pluripotent stem cells

Authors:

Qi Zhang<sup>1, 2</sup>, Masayuki Fujino<sup>2, 3</sup>, Shizue Iwasaki<sup>2</sup>, Hiroshi Hirano<sup>2</sup>, Songjie Cai<sup>2</sup>, Yuya Kitajima<sup>2</sup>, Jinhua Xu<sup>1</sup>, Xiao-Kang Li<sup>1, 2</sup>

## Affiliations:

<sup>1</sup>Department of Dermatology, Huashan hospital, Fudan University, Shanghai, China;

<sup>2</sup>Division of Transplantation Immunology, National Research Institute for Child Health and Development, Tokyo, Japan;

<sup>3</sup>AIDS Research Center, National Institute of Infectious Diseases, Tokyo, Japan.

<sup>\*</sup>Correspondence:

Xiao-Kang Li, M.D., Ph.D., Division of Transplantation Immunology, National Research Institute for Child Health and Development, 2-10-1 Okura, Setagaya-ku, Tokyo, 157-8535 Japan.

Tel: +81-3-3416-0181; Fax: +81-3-3417-2864; E-mail: ri-k@ncchd.go.jp

&

Jinhua Xu, M.D., Ph.D., Department of Dermatology, Huashan Hospital, Fudan University, 12 Wulumuqi Middle Road, Shanghai, 200040 China.

Tel:+86-21-5288-9999; Fax:+86-21-6248-9191; E-mail: <u>xjhhuashan@yahoo.com.cn</u>

Supplementary figure legends

Supplementary Figure 1: Un-cropped gel images of RT-PCR. The mRNA expression of the iPS cells in each step of differentiation into DCregs. The mRNA expressions of major molecules, including (A) Nanog, (B) OCT 3/4, (C) CD34, (D) Sca-1, (E) CD45, (F) CD11c, (G) CD11b, (H) I-A, (I) CD86, (J) CD80, (K) CD40 and (L) GAPDH, on the culture cells at different culture steps were examined.

















