

PRINT: ISSN 0972-3757 ONLINE: ISSN 2456-6330

*International Journal of*  
**HUMAN GENETICS**

Full text open access online (Since 2001)



Kamla-Raj IJHG 2025

PRINT: ISSN 0972-3757 ONLINE: ISSN 2456-6330

Int J Hum Genet, 25(1): 1-7 (2025)  
DOI: 10.31901/24566322.2025/25.01.902

## **CD154 Promotes Recurrent Spontaneous Abortion by Regulating Th17/Treg**

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**KEYWORDS** CD154. IL-17-producing T Helper. Recurrent Spontaneous Abortion. Treg. Treatment

**ABSTRACT** The researchers aimed to find the mechanism of IL-17-producing T helper (Th17) or Treg imbalance in recurrent spontaneous abortion (RSA). Peripheral blood was collected from 8 RSA patients and 6 healthy pregnant women, and peripheral blood mononuclear cells were isolated. Flow cytometry was used to analyse the expression of Th17 cells, Treg cells and CD154 molecules in lymphocytes. Compared with healthy pregnant women, Th17 cells and CD154 in peripheral blood mononuclear cells of RSA patients were significantly increased, while Treg cells were significantly decreased. The up-regulation of CD154 can lead to Th17/Treg imbalance and RSA, and can provide a new direction for the treatment of RSA.