

Accepted Manuscript

Human mast cells present antigen to autologous CD4⁺ T Cells

Sahar Lotfi-Emran, MD, PhD, Brant R. Ward, MD, PhD, Quang T. Le, PhD, Andrea L. Pozez, MD, Masoud H. Manjili, PhD, DVM, Judith Woodfolk, MBChB, PhD, Lawrence B. Schwartz, MD, PhD

PII: S0091-6749(17)30933-8

DOI: [10.1016/j.jaci.2017.02.048](https://doi.org/10.1016/j.jaci.2017.02.048)

Reference: YMAI 12860

To appear in: *Journal of Allergy and Clinical Immunology*

Received Date: 2 August 2016

Revised Date: 18 January 2017

Accepted Date: 15 February 2017

Please cite this article as: Lotfi-Emran S, Ward BR, Le QT, Pozez AL, Manjili MH, Woodfolk J, Schwartz LB, Human mast cells present antigen to autologous CD4⁺ T Cells, *Journal of Allergy and Clinical Immunology* (2017), doi: 10.1016/j.jaci.2017.02.048.

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.



DEC-205

antigen

MAST CELL

tryptase granule

cleaved peptide

HLA-DR
+
HLA-DM

CD80

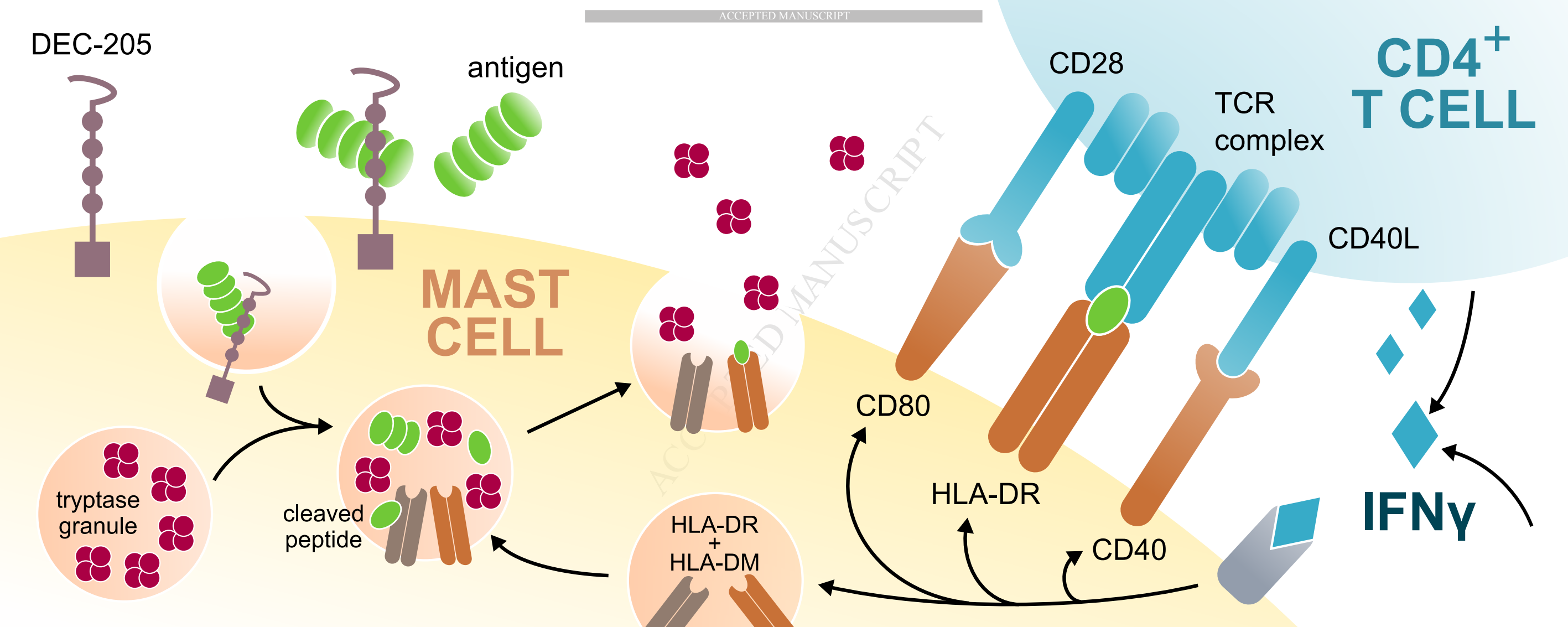
HLA-DR

CD40

CD28

TCR
complex

CD40L

CD4⁺
T CELLIFN γ 

Download English Version:

<https://daneshyari.com/en/article/8713816>

Download Persian Version:

<https://daneshyari.com/article/8713816>

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