

Accepted Manuscript

Title: Immobilization of β -galactosidase and α -mannosidase onto magnetic nanoparticles: A strategy for increasing the potentiality of valuable glycomic tools for glycosylation analysis and biological role determination of glycoconjugates

Authors: Ernesto Rodriguez, Karen Francia, Natalie Brossard, Juan J. García Vallejo, Hakan Kalay, Yvette van Kooyk, Teresa Freire, Cecilia Giacomini



PII: S0141-0229(18)30192-3
DOI: <https://doi.org/10.1016/j.enzmictec.2018.05.012>
Reference: EMT 9220

To appear in: *Enzyme and Microbial Technology*

Received date: 20-12-2017
Revised date: 27-4-2018
Accepted date: 21-5-2018

Please cite this article as: Rodriguez Ernesto, Francia Karen, Brossard Natalie, García Vallejo Juan J, Kalay Hakan, van Kooyk Yvette, Freire Teresa, Giacomini Cecilia. Immobilization of β -galactosidase and α -mannosidase onto magnetic nanoparticles: A strategy for increasing the potentiality of valuable glycomic tools for glycosylation analysis and biological role determination of glycoconjugates. *Enzyme and Microbial Technology* (2018), <https://doi.org/10.1016/j.enzmictec.2018.05.012>

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.

Immobilization of β -galactosidase and α -mannosidase onto magnetic nanoparticles: a strategy for increasing the potentiality of valuable glycomic tools for glycosylation analysis and biological role determination of glycoconjugates.

Ernesto Rodriguez^{a,b,c}, Karen Francia^a, Natalie Brossard^b Juan J. García Vallejo^c, Hakan Kalay^c, Yvette van Kooyk^c, Teresa Freire^b, Cecilia Giacomini^{a*}.

^a Laboratorio de Bioquímica, Departamento de Biociencias, Facultad de Química, UdelaR, Gral. Flores 2124, Montevideo, Uruguay,

^b Laboratorio de Inmunomodulación y desarrollo de Vacunas, Departamento de Inmunobiología, Facultad de Medicina, UdelaR, Gral Flores 2125 Montevideo, Uruguay,

^c Department of Molecular Cell Biology and Immunology, VU University Medical Center, De Boelelaan 1108, 1081 HZ, Amsterdam, Netherlands.

***Corresponding author:**

Cecilia Giacomini

Phone: +598 2 9241806

Fax: + 598 2 9241906

Email: cgiacomini@fq.edu.uy

Ernesto Rodriguez: erodriguez@fmed.edu.uy

Karen Francia: karenfranciabogado@gmail.com

Natalie Brossard: nataliebrossard@fmed.edu.uy

Download English Version:

<https://daneshyari.com/en/article/6488060>

Download Persian Version:

<https://daneshyari.com/article/6488060>

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