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Perseus Proteomics Inc.

President & CEO: Takuya Yokokawa

e-mail: ir@ppmx.com

Co-Authored Paper with Tokyo University of Pharmacy and Life Sciences Published on SLC46A3-Mediated Drug Transport Using a Perseus Proteomics Anti-MMAE Antibody Research Reagent

Perseus Proteomics Inc. is pleased to announce that a co-authored paper with Tokyo University of Pharmacy and Life Sciences, reporting the elucidation of SLC46A3**-mediated drug transport using an anti-MMAE antibody* developed and commercialized by our company, has been published in the international scientific journal *Molecular Pharmaceutics*.

Publication Details

Title: *SLC46A3 mediates lysosomal egress of auristatin derivatives*

Journal: *Molecular Pharmaceutics*

Authors: Naoki Saito¹, Naotaka Takahashi¹, Akiko Kyoya², Kaori Nakazawa², Mariko Kondo², Hiroaki Iwasa², Hisanao Kishimoto¹, Katsuhisa Inoue¹, et al.

Affiliations:

¹ Department of Biopharmaceutics, School of Pharmacy, Tokyo University of Pharmacy and Life Sciences

² Perseus Proteomics Inc.

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Additional Information

* Announcement of Sales Launch of New Antibody/Reagent

Reference: [https://contents.xj-](https://contents.xj-storage.jp/xcontents/AS82027/f2a7a5c7/2798/4e9d/a70d/ea29234392b8/140120241029504762.pdf)

[storage.jp/xcontents/AS82027/f2a7a5c7/2798/4e9d/a70d/ea29234392b8/140120241029504762.pdf](https://contents.xj-storage.jp/xcontents/AS82027/f2a7a5c7/2798/4e9d/a70d/ea29234392b8/140120241029504762.pdf)

Glossary

** SLC46A3

SLC46A3 is a proton-coupled membrane protein localized primarily to the lysosomal membrane. It exports steroid conjugates, bile acids, and active metabolites of antibody-drug conjugates from the lysosomal lumen into the cytoplasm. SLC46A3 has attracted attention as a molecule involved in the efficacy and mechanisms of resistance to breast cancer therapeutics, including T-DM1.