CORRECTION



Correction to: An estrogen antagonist, cyclofenil, has anti-dengue-virus activity

Daiki Tohma^{1,2} · Shigeru Tajima¹ · Fumihiro Kato¹ · Hirotaka Sato^{3,4} · Michinori Kakisaka⁴ · Takayuki Hishiki⁵ · Michiyo Kataoka⁶ · Haruko Takeyama² · Chang-Kweng Lim¹ · Yoko Aida^{3,4} · Masayuki Saijo¹

Published online: 24 November 2018 © Springer-Verlag GmbH Austria, part of Springer Nature 2018

Correction to: Archives of Virology https://doi.org/10.1007/s00705-018-4079-0

We would like to correct the information on the antibody used in this study. In Fig. 5 of the article, cellular β -actin was detected as an internal control using anti- β -actin antibody (Fujifilm Wako Pure Chemicals, #017-24573). Recently, however, the manufacturer/provider informed us that the antibody reacts with cellular γ 1-actin, but do not react with cellular β -actin. Consequently, we detected cellular γ 1-actin molecules in the experiment. Fortunately, expression pattern of γ 1-actin is similar to that of β -actin in most of cultured cells and, therefore, the alteration of the target molecules does not affect our interpretations and conclusions. The name of the antibody has been corrected in the paper. We apologize for any inconvenience and confusion caused by this error.

Sites should be corrected:

The original article can be found online at https://doi.org/10.1007/s00705-018-4079-0.

Shigeru Tajima stajima@nih.go.jp

- ¹ Department of Virology I, National Institute of Infectious Diseases, 1-23-1 Toyama, Shinjuku, Tokyo 162-8640, Japan
- ² Department of Life Science and Medical Bioscience, School of Advanced Science and Engineering, Waseda University, 2-2 Wakamatsucho, Shinjuku, Tokyo 162-8480, Japan
- ³ Nano Medical Engineering Laboratory, RIKEN Cluster for Pioneering Research, 2-1 Hirosawa, Wako, Saitama 351-0198, Japan
- ⁴ Virus Infectious Diseases Unit, RIKEN, 2-1 Hirosawa, Wako, Saitama 351-0198, Japan
- ⁵ Department of Microbiology, Kanagawa Prefectural Institute of Public Health, 1-3-1 Shimomachiya, Chigasaki, Kanagawa 253-0087, Japan
- ⁶ Department of Pathology, National Institute of Infectious Diseases, 1-23-1 Toyama, Shinjuku, Tokyo 162-8640, Japan

(1) Materials and methods section

Western blotting

Vero cells were infected with The membranes were reacted with peroxidase-conjugated anti- γ 1-actin monoclonal antibody (FUJIFILM Wako Pure Chemicals) for detection of γ 1-actin, an internal control. Protein bands were detected using LAS-3000 (FUJIFILM, Tokyo, Japan), and

(2) Figure legend

Fig. 5. Effect of cyclofenil on the expression level of viral proteins in Vero cells infected with DENV-2. Vero cells were infected with anti-NS3 rabbit Ab. Cellular γ 1-actin was also detected as an internal control.

(3) Fig. 5 γ 1-actin.

Cyclofenil (µM) 0 0 1 2.5 5 10 + + + + + DENV-2 E protein Sec. (E/y1-actin) 100 67.1 28.5 25.4 13.8 NS3 (NS3 / y1-actin) 100 81.5 84.4 72.5 12.0 v1-actin