

Accepted Manuscript

Title: Development of monoclonal antibody-based ultrasensitive enzyme-linked immunosorbent assay and fluorescence-linked immunosorbent assay for 1-aminohydantoin detection in aquatic animals



Authors: Qi Sun, JinHua Luo, Lei Zhang, Zhihao Zhang, Tao Le

PII: S0731-7085(17)31325-0
DOI: <http://dx.doi.org/doi:10.1016/j.jpba.2017.06.068>
Reference: PBA 11374

To appear in: *Journal of Pharmaceutical and Biomedical Analysis*

Received date: 23-5-2017
Revised date: 28-6-2017
Accepted date: 30-6-2017

Please cite this article as: Qi Sun, JinHua Luo, Lei Zhang, Zhihao Zhang, Tao Le, Development of monoclonal antibody-based ultrasensitive enzyme-linked immunosorbent assay and fluorescence-linked immunosorbent assay for 1-aminohydantoin detection in aquatic animals, *Journal of Pharmaceutical and Biomedical Analysis* <http://dx.doi.org/10.1016/j.jpba.2017.06.068>

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.

Development of monoclonal antibody-based ultrasensitive enzyme-linked immunosorbent assay and fluorescence-linked immunosorbent assay for 1-aminohydantoin detection in aquatic animals

Qi Sun ^a, JinHua Luo ^{b1}, Lei Zhang ^a, Zhihao Zhang ^a, Tao Le ^{a*}

^a *College of Life Science, Chongqing Normal University, Chongqing 401331, P. R. China*

^b *Chongqing Institute of Biotechnology, Chongqing 401123, P. R. China*

* Corresponding author. Tel.: +86 23 67301531; fax: +86 23 67301531; *E-mail address:* hnxylt@163.com.

¹ Co-first author.

Highlights

1. This is the first report of QDs-FLISA to detect AHD developed based on a specific monoclonal antibody.
2. The FLISA offers higher sensitivity in comparison with ic-ELISA.
3. Excellent correlations of the ic-ELISA/LC-MS/MS and FLISA/LC-MS/MS data were observed for processed samples.

Download English Version:

<https://daneshyari.com/en/article/7627814>

Download Persian Version:

<https://daneshyari.com/article/7627814>

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