

Accepted Manuscript

Isolation and characterization of monocyte/macrophage from peripheral blood of half smooth tongue sole (*Cynoglossus semilaevis*)

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PII: S1050-4648(17)30222-X

DOI: [10.1016/j.fsi.2017.04.015](https://doi.org/10.1016/j.fsi.2017.04.015)

Reference: YFSIM 4540

To appear in: *Fish and Shellfish Immunology*

Received Date: 11 November 2016

Revised Date: 12 April 2017

Accepted Date: 18 April 2017

Please cite this article as: Sha Z, Wang L, Sun L, Chen Y, Zheng Y, Xin M, Li C, Chen S, Isolation and characterization of monocyte/macrophage from peripheral blood of half smooth tongue sole (*Cynoglossus semilaevis*), *Fish and Shellfish Immunology* (2017), doi: 10.1016/j.fsi.2017.04.015.

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20 **Abstract**

21 In the present study, the peripheral blood cells of half smooth tongue sole (*Cynoglossus semilaevis*)

22 were examined by blood smear under the light microscopy. The proportion of main types of blood cells

23 are as following: erythrocyte occupied the majority (92.3%), followed by thrombocyte (4.15%),

24 granulocyte (1.7%), lymphocyte (1.5%) and monocyte (0.3%), respectively. Meanwhile, the isolation

25 method of monocytes was established, by density gradient centrifugation to isolate mononuclear

26 leukocytes of peripheral blood. In primary culture, the monocytes were adhered to the bottom of

27 the flask without feeder cells and separated easily with suspended leukocytes in the medium in 3

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