

December 26, 2012

Dear Editor,

Please find the enclosed revised manuscript (file name: 1131-Review2.doc).

Title: Establishment of Mouse Intestinal Myofibroblast Cell Lines

Author: Hideyoshi Kawasaki, Takashi Ohama, Masatoshi Hori, Koichi Sato

Name of Journal: *World Journal of Gastroenterology*

ESPS Manuscript NO: 1131

Thank you for reviewing our manuscript (#1131) entitled "Establishment of Mouse Intestinal Myofibroblast Cell Lines."

We have revised the manuscript according to the suggestions of the referees.

We are very grateful to you and the referees for the helpful suggestions and hope that the revised manuscript is now acceptable for publication in your journal. The revised and added sections are shown in **blue font** for reviewer 2 (#00037576) and **green font** for science-editor in the revised manuscript (**red font** sections have been revised for the comments from another referee).

SPECIFIC COMMENTS from reviewer 2:

1. Materials and Methods:

The description of how the cells were isolated should have more details. How was the epithelia removed? How was the smooth muscle removed? You comment that your isolation had minor modifications from a previously published technique but it is not clear exactly what are the modifications?

Responses:

Thank you for your suggestions. We added the detailed explanation for cell isolation (page 6, lines 7-9).

In the previous published method, the proximal colon smooth and muscle layers were detached, and the mucosal samples were completely denuded. In our study, the proximal colon was detached, mucosal layers were denuded, and finally, smooth muscle layers were detached. Since these modifications are minor, we did not describe the detail.

2) Figure One:

"Neoplastic" should not be used in the context you are using. You show the cells have contact inhibition of growth. If you want to claim the cells are not tumorigenic, you must inject them into nude mice and determine whether they make tumors.

Responses:

Thank you for your suggestions. We deleted the term "Neoplastic" throughout our manuscript (page 2, lines 9 and 17; page 9, lines 2 and 13; page 12, line 6).

3. Characteristic markers of myofibroblasts:

Others have shown that desmin is not present in control myofibroblasts or on 18 Co cells (see Peiris D. et al. Am. J. Physiol. Gastrointest Liver Physiol. 292: G753-G766, 2007). Compare all of the markers of colonic myofibroblasts in the literature with the ones you have used (Two or three sentences in Discussion).

Responses:

As per your suggestions, we discussed the differences between the desmin expression in control myofibroblast/18Co cells and primary IMF/SmcIMF (page 13, lines 10–15).

COMMENTS from science-editor:

1. Result section in abstract; it's too short. Please add it to 150 words.

As per your suggestion, we expanded the Result section in the Abstract. The number of word count is 174.

2. Please write the COMMENTS section at here. See the requirements as fellows.

As per your suggestions, we added the "COMMENTS" section.

Thank you again for publishing our manuscript in the *World Journal of Gastroenterology*.

Sincerely yours,



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