

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 81947

Title: Adenosine 2A receptor contributes to the facilitation of post-infectious irritable bowel syndrome by $\gamma\delta$ T cells via the PKA/CREB/NF- κ B signaling pathway

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06129258

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Senior Lecturer

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2022-12-05

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-08 01:29

Reviewer performed review: 2022-12-26 09:43

Review time: 18 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous
	Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No

SPECIFIC COMMENTS TO AUTHORS

In this manuscript, the authors report an original research to investigate the role of $\gamma\delta$ T cell in PI-IBS. They concluded that the A2AR contributes to the facilitation of PI-IBS by $\gamma\delta$ T cells via the PKA/CREB/NF- κ B signaling pathway. The methods are clearly described and results are reasonable. This study is really useful for readers interested in pathogenesis of PI-IBS. However, the following points need to be addressed. Minor comments: 1. The reference type needs to be revised according to journal guideline. 2. The scale bar should be added for each histopathological image in Figure 1.

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 81947

Title: Adenosine 2A receptor contributes to the facilitation of post-infectious irritable bowel syndrome by $\gamma\delta$ T cells via the PKA/CREB/NF- κ B signaling pathway

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06129296

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2022-12-05

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-08 01:29

Reviewer performed review: 2022-12-26 09:44

Review time: 18 Days and 8 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

“Adenosine 2A receptor contributes to the facilitation of post-infectious irritable bowel syndrome by $\gamma\delta$ T cells via the PKA/CREB/NF- κ B signaling pathway” by Dong et al. In my opinion, it is a well-written and interesting manuscript, and within the scope of World Journal of Gastroenterology. The authors investigated the role of $\gamma\delta$ T cell in PI-IBS with the detailed biochemical and molecular experiments, and they concluded that the A2AR-PKA-CREB-NF- κ B pathway is a crucial intracellular signaling route for the function of A2AR-induced $\gamma\delta$ T cells’ role in PI-IBS. Two suggestions: 1) the manuscript needs to be polished the language. 2) All figure legends should be more detailed, which contribute to a more comprehensive understanding for readers.

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 81947

Title: Adenosine 2A receptor contributes to the facilitation of post-infectious irritable bowel syndrome by $\gamma\delta$ T cells via the PKA/CREB/NF- κ B signaling pathway

Provenance and peer review: Unsolicited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06129218

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2022-12-05

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-12-08 01:29

Reviewer performed review: 2022-12-26 09:44

Review time: 18 Days and 8 Hours

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

Peer-reviewer statements	Peer-Review: [<input checked="" type="checkbox"/>] Anonymous [<input type="checkbox"/>] Onymous
	Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No

SPECIFIC COMMENTS TO AUTHORS

This study is very well designed and the findings are very interesting. I recommend to accept this manuscript after a minor editing.