



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 41940

**Title:** Unexpected alliance between syndecan-1 and innate-like T cells to protect host from autoimmune effects of interleukin-17

**Reviewer’s code:** 01851506

**Reviewer’s country:** Japan

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2018-09-03

**Date reviewed:** 2018-09-04

**Review time:** 1 Day

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer’s expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Minor revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

In this review, the authors discussed the role of syndecan-1 (sdc1) in the homeostasis of IL-17 producing innate-like T cells, in particular, NKT cells and  $\gamma\delta$  T cells. The fact that sdc1 plays a pivotal role in maintaining IL-17 homeostasis by suppressing the expansion



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of NKT17 cells and  $\gamma\delta$  T cells is indeed intriguing. The text is in general well written and comprehensive for those who are not in the field. Nonetheless, the reviewer has a slight concern that the authors failed to mention about mucosal-associated invariant T (MAIT) cells as a potential source of IL-17. In fact, MAIT cells are much more potent in producing IL-17 than NKT cells (Cui et al., J. Clin. Invest. 125, 4171-4185 (2015)). Since sdc1 expression in MAIT cells are not known, the possible role of sdc1 in MAIT cell expansion and in IL-17 homeostasis should be discussed.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- The same title
- Duplicate publication
- Plagiarism
- No

##### ***BPG Search:***

- The same title
- Duplicate publication
- Plagiarism
- No



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Diabetes

**Manuscript NO:** 41940

**Title:** Unexpected alliance between syndecan-1 and innate-like T cells to protect host from autoimmune effects of interleukin-17

**Reviewer's code:** 02566971

**Reviewer's country:** China

**Science editor:** Ruo-Yu Ma

**Date sent for review:** 2018-09-26

**Date reviewed:** 2018-09-28

**Review time:** 2 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

**SPECIFIC COMMENTS TO AUTHORS**

In this manuscript, The authors address that syndecan-1 (sdc1) is expressed on IL-17 producing NKT and  $\gamma\delta$  T cells to against IL-17 overproduction. Overall this is a useful and well written review. However, the reviewer wonders whether other syndecan



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family members (syndecan-2, -3 and -4) have the role in regulating cytokines production.

#### INITIAL REVIEW OF THE MANUSCRIPT

##### *Google Search:*

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- No

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- Duplicate publication
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