Author's response to reviews

Title: Genetic deletion of dectin-1 does not affect the course of murine experimental colitis.

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Author's response to reviews: see over
Dear Editor,

We would like to thank the reviewers for their constructive comments.

We would like to submit our revised manuscript entitled “Genetic deletion of dectin-1 does not affect the course of murine experimental colitis.” for publication in BMC gastroenterology.

Below we give a point-by-point response to the final concerns made by the reviewers.

Looking forward to hearing from you.

Yours sincerely,

Sigrid Heinsbroek

Reviewer's report 1

Discretionary revision:
Point 8:
With regard to their response:
Blocking the IL-10R does affect the levels of IL-10 by blocking its consumption, but more importantly it inhibit its function. Since IL-10 has recently been shown to be the key cytokine that enables rescue from Hh-colitis, it could still be interesting to see if dectin-1 deficient mice will develop Hh-colitis whereas the WT will not. However, the limited difference in IL-10 levels between the WT and dectin-1 deficient macrophages would be a sensible reason not to perform this experiment.

Au response

We agree.

Minor essential revision:
Point 8: The involvement of the adaptive immune response is mentioned here as rationale for the Hh-colitis model, but no data are presented with regard to the adaptive immune response. Since IFN-gamma levels were measured in the colon homogenates (M&M), these data could be included to show that at least this “adaptive parameter” was not affected.

Au response
The levels of IFNγ were below the detection limit of 20pg/ml (shown below) and are therefore left out of the paper. It is described in the results section that the levels of all other cytokines measured were below detection limit.

![Colon IFNγ graph](image-url)