

Review Form 1.7

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_98385
Title of the Manuscript:	Lactic acid inhibits the cytotoxicity of NK-92 cells via activating the lactate receptor GPR81
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalarrb.com/index.php/ARRB/editorial-policy>)

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. (Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)	<p>This work deals with the effect of lactic acid on the cell line NK92. The authors stated that the viability of NK92 is affected by some doses of lactic acid and that the cytotoxicity exerted by this cell line against two other cell lines is reduced by lactic acid. This event is dependent on the function of the lactate receptor GPR81.</p> <p>The topic can be of interest but the NK92 cell is not an healthy NK cell.</p> <p>Yes, it is.</p> <p>Yes, it is.</p> <p>Yes.</p> <p>Not completely.</p> <p>Yes.</p>	
Minor REVISION comments 1. Is language/English quality of the article suitable for scholarly communications?	Some grammar mistakes and misprints can be found along the manuscript.	
Optional/General comments	The experiments are performed with the cell line NK92 and they are not verified with NK cells from peripheral blood or tumor associated. The data shown are only valid for NK92 cells. The effect on cytotoxicity are evident at doses of lactic acid similar to those effective on NK92 viability. It is not surprising that NK cells function less well when they are not completely healthy.	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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