



SDI Review Form 1.6

Journal Name:	Journal of Advances in Medical and Pharmaceutical Sciences
Manuscript Number:	MS_JAMPS_26502
Title of the Manuscript:	Studies on target-specificity and biological activity of Streptococcus serum antibody and amikacin sulfate conjugates
Type of the 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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	<p>The paper presents an innovative proposal for the treatment of bacterial infections, through conjugates of Streptococcus of serum antibody and amikacin sulfate. The paper is interesting but needs to be more detailed.</p> <p>Antibody-drug conjugates (ADC) has been tested in the treatment of Cancer, and I did not see references about this approach to treat bacteria infections in the present article, so this lack of studies about ADC in bacteria should be highlighted in the article, and the article also should cite Cancer as a reference for this innovative proposal.</p> <p>First, the Streptococcus specie needs to be specified. In Cancer, the antibody production is monoclonal. The antibody production is not specific to an antigen of Streptococcus in this article. Authors use all rabbit antisera. Why it happen?</p> <p>Were the rabbits germ free? How do you ensure that the antibody are specific to Streptococcus surface and not to a exotoxin produced by the bacteria?</p>	<p>We fully agree and added such references accordingly.</p> <p>We modified it accordingly.</p> <p>The main function of antibody is leading as a role of navigation, and Streptococcus has multiple serum type, we prepared rabbit antisera antibody with Streptococcus01026 strain (Purchased fromThe Institute of Microbiology, Hunan Province, China), but not monoclonal antibody of Streptococcus.</p> <p>Rabbits used in the experiment were immunized rabbits and animal experiments were performed following a protocol approved by the Institutional Animal Committee of Hunan Agricultural University. Besides, the blank control was set up in the experiment.</p> <p>We have carried the binding experiment using the conjugates and Escherichia coil, Pasteurella and Staphylococcus aureus. , the result didn't show any bindings between them.</p>



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	In Figure 3 only the conjugates are stained? How can I see the conjugate specificity? It needs to be explained.	(Results didn't show).
<u>Minor</u> REVISION comments	<p>The first part of the Introduction needs to be referenced.</p> <p>In Discussion, the mechanism of antibody targeting in vitro needs to be referenced.</p>	<p>We added references accordingly.</p> <p>We thank the reviewer for the carefulness. Indeed, we have used references which for the mechanism of antibody targeting in vivo. The mechanism of the experiment in vitro is the same as in vivo.</p>
<u>Optional/General</u>		