Reviewer's report

Title: NGAL as a possible biomarker for sepsis-induced kidney failure: evaluating changes in NGAL expression in a rat model of acute kidney injury

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Reviewer: Mehryar Habibi Habibi Roudkenar

Reviewer's report:

1, the title is not appropriate and does not reflect the finding of this study 
2, Purpose and goal of the study have not been highlighted in introduction. Importance of NGAL as a early biomarker and brief description of NGAL should be mentioned in the introduction part. This has been mentioned in the discussion, it would be better transfer this to introduction.

3- the reasons to measure IL6 and TNF# in parallel to NGAL should be mentioned in the end part of introduction

4- One of the main and new finding of this study was positive correlation between NGAL and TNF#. Therefore this should be highlighted throughout the manuscript especially in discussion part.

5- The concentration of NGAL, measured by ELISA, should be checked whether pg/ml is correct? I think they should be ng/ml since they were compared with standard ranging from 1-200 ng/ml as described in the methods

6- Quantification of mRNAs expression are not clear. The authors should describe how did they calculated relative expression? Real time PCR or densitometry of the PCR bands ? In figure 2 , there is no data to address southern blot analysis. The result of this figure is confusing and not convincing.

7- figure 4, the size of bands should be indicated, why the PCR size of TNF# is large? This figure in my view again is not convincing.