Reviewer's report

Title: Evaluation of Immunological Escape Mechanisms in a Mouse Model of Colorectal Liver Metastases

Version: 2 Date: 11 December 2009

Reviewer: christine sers

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Title
Evaluation of Immunological Escape Mechanisms in a Mouse Model of Colorectal Liver Metastases.

By Grimm et al.

Overall the authors have successfully improved the quality of the manuscript, sometimes even by taking over the reviewers expressions.

In some cases however, they seem not to have understood all comments, several of which refer to the fact that their conclusions are inadequately supported by their data. This is specifically true for points 3 and 4 raised in my previous review.

In point 3, I criticized that counting of cells in tissues stained with antibodies against soluble cytokines is generally considered impossible among experts in tissue staining. The authors now state that their PCR data confirm their immunohistochemistry, however they don’t show it. Therefore I suggest to remove Figure 1b and stay with 1a, this seems more reliable. Nevertheless, I would be interested to see in the manuscript a comment on how many normal tissues were.

In point 4, I criticized that on the same tissue the up-regulation of FASL is shown, however not the down-regulation of FAS. Now the authors claim that they have the staining, but they don’t show it. In times of supplementary material nobody can claim that one more picture would be an overload or stress for the reader. I also have the impression that the authors don’t take the comments serious. So I consider it necessary that they show the staining with FAS on the same tissue sections.

In point 2 I criticized that overlay with CD8 would be a CONTROL to show that a different picture occurs as compared to the CD4/Foxp overlay.

Minor comments:

In the discussion the authors claim that apoptotic CD8 cells increase during the growth of metastases, again they only show one time point.

On page 12, line17 the sentence is incomplete or should be reorganized

Level of interest: An article of importance in its field
Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
'I declare that I have no competing interests'