Reviewer's report

Title: Salivary Secretory Immunoglobulin A secretion increases after 4-weeks ingestion of chlorella-derived multicomponent supplement in humans: a randomized cross over study

Version: 2 Date: 12 July 2011

Reviewer: Takayuki Akimoto

Reviewer's report:

General comment
The reviewer is still not convincing how much impact does the chlorella have on mucosal immune function. Indeed, some previous studies showed increased infection rate along with decreased SlgA levels. It dose make sense, for instance if you have insufficient antibodies against pathogen, you will have symptoms. On the other hand, if you have sufficient antibodies and you will have additional antibodies by supplement, do you think you will get additional decrease in infection rate? Indeed, absolute level of SlgA even in the control group in the manuscript is much higher than that reported in the paper form Yamauchi et al. (2011). How do you explain this?
The reviewer understands it is not easy of clarify this issue. However, the reviewer thinks this manuscript needs adequate discussion on this issue, which is lacking in the current version of the manuscript.

Specific comments
There are still some grammatical errors in the manuscript.
The reviewer could not follow the meaning of the added sentences on page 3, line 15-19.
The added sentences do not make any sense to the reviewer (page 7, the last to page 8, line 7).

Level of interest: An article whose findings are important to those with closely related research interests

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.