Reviewer's report

Title: Rhaphidophora korthalsii modulates peripheral blood natural killer cell proliferation, cytokine secretion and cytotoxicity

Version: 2 Date: 14 November 2012

Reviewer: Yi-Ming Fan

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Major Compulsory Revisions

1. The number of each group was 3, so this small sample number seems insufficient to perform statistical evaluations.
2. To date there have been two distinct NK cell subpopulations (CD56dimCD16+ and CD56bright cells) in the human immune system. However, the authors do not mention it.

Minor Essential Revisions

1. The manuscript should be corrected for large amounts of grammatical errors.
2. In the Statistical analysis: Was the homogeneity of variance test performed in One-way ANOVA? In addition, I wonder why the P value# 0.05 was considered significant.
3. In Tab 1 and Figs 2-4, 6, * (P#0.05) was not shown in the Tab and Figs.
4. In Fig 5, it was unsuitable in one figure because the levels of granzyme B, TNF-# and IFN-# were remarkably different. These data may be depicted in a table.
5. In the first paragraph of discussion, the sentences “For example, Dioscorea…on pure IL-2 [15].” may be redundant.
6. In the references, the Journal name was abbreviated in Ref 27.

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

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests