

Peer Review File

Article information: <https://dx.doi.org/10.21037/aob-21-33>

Reviewer Comments

The review is timely and quite comprehensive. It could be greatly improved by a professional scientific editor and the English syntax and grammar need reviewing for multiple corrections.

Comment 1: A brief introduction summarizing the stages of the discovery of gammadelta T cells (e.g papers by Brenner et al and Bank et al in Nature, 1986) describing the discovery of gd T cells should be included, especially since in one of the paper by Bank et al already anticipated possible were already anti tumoral properties.

Reply 1: we have modified our text as advised.

Changes in the text: see Page 3, line 43-46

Comment 2: Some of the paragraphs should be summarized in short tables e.g those relating to anti tumoral effects, role in autoimmunity etc.

Reply 2: we have added two tables to summarize the anti tumoral effects of $\gamma\delta$ T cells and the role in autoimmunity.

Changes in the text: see Page5, 13

Comment 3: Line 35 non specific lymphocytes is not an accepted terminology and should be removed

Reply 3: we have modified our text as advised.

Changes in the text: see Page 2, line 36

Comment 4: Line 36 “Therefore” is not appropriate, as this sentence is independent of the previous one.

Reply 4: we have modified our text as advised.

Changes in the text: see Page 2, line 36

Comment 5: Line 40- supply references for the properties described in this sentence

Reply 5: we have modified our text as advised.

Changes in the text: see Page 2, line 40

Comment 6: Line 50 and throughout: phosphine antigen is more appropriately termed phospho-antigen

Reply 6: we have modified our text as advised.

Changes in the text: see Page 3, line 54,55

Comment 7: Line 54 should be rephrased

Reply 7: we have modified our text as advised.

Changes in the text: see Page 3, line 55-61

Comment 8: Lines 58-60 sentence contains a redundancy referring to epithelial cancer

Reply 8: we have modified our text as advised.

Changes in the text: see Page 3, line 64

Comment 9: Line 63 the term hemiketoglobin is not clear and should be explained

Reply 9: we have modified our text as advised.

Changes in the text: see Page 4, line 68

Comment 10: Line 78: the killing effects of Vg9d2 cells is not well clarified and should be broken down into TCR and non TCR e.g. NKG2D and CD16 mediated effects

Reply 10: we have modified our text as advised.

Changes in the text: see Page 4, line 80-83

Comment 11: Line 84: Sentence should be rephrased

Reply 11: we have modified our text as advised.

Changes in the text: See Page 5, line 90-91

Comment 12: Sentences in lines 86 to end of paragraph should be rephrased and put in a logical order

Reply 12: we have modified our text as advised.

Changes in the text: see Page 5, line 92

Comment 13: Sentence in Line 104 is not clear/ Explain “auxiliary B cell”s . In addition, CD40L is not a cytokine.

Reply 13: we have modified our text as advised

Changes in the text: see Page 6, line 107-110

Comment 14: Line 129: the different mechanisms of recognition of stress related molecules and IPP should be detailed.

Reply 14: we have modified our text as advised.

Changes in the text: see Page 7, line 133-138

Comment 15: Line 139: ADCC is not necessarily dependent upon TCR activation.

Reply 15: we have modified our text as advised.

Changes in the text: see Page 8, line 147-149

Comment 16: Section 4 requires a description of the major models in which anti tumoral effects of gd T cells have been shown,

Reply 16: we have modified our text as advised.

Changes in the text: see Page 8, line 159-164, Page 9, line 172-179

Comment 17: Line 176 should be rephrased

Reply 17: we have modified our text as advised.

Changes in the text: see Page 10, line 199)

Comment 18: Lines 182-187 / The roles of each set of cytokines in induction of each T cell subset should be indicated separately rather than a general list and general statements. Provide a Table.

Reply 18: we have modified our text as advised.

Changes in the text: see Page 10, line 208

Comment 19: Line 205: over destructs should be changed to destroy.

Reply 19: we have modified our text as advised.

Changes in the text: see Page 12, line 229

Comment 20: The section on IBD should be rewritten, and focusing on the role of both regulatory and pro inflammatory gd T cells in IBD in different experimental models.

Comment 20: we have modified our text as advised.

Changes in the text: see Page 12-13, line 240-259

Comment 21: The section on immunotherapeutic approaches should include gammadelta T cells as CAR vehicles.

Reply 21: we have modified our text as advised.

Changes in the text: see Page 15-16, line 294-305

Comment 22: The references do not include names of journals please supply

Reply 22: we have modified our text as advised.

Changes in the text: see Page 18-22, line 345-530