AUTHOR'S CORRECTION

Regulation of the Maintenance of Peripheral T-Cell Anergy by TAB1-Mediated p38α Activation

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Volume 24, no. 16, p. 6957–6966, 2004. In this paper we identified an \sim 56-kDa protein expressed in anergic CD4⁺ T cells by Western blotting using anti-TAB1 peptide antibody (N-19; Santa Cruz Biotechnology). This molecule was not present in naïve CD4⁺ T cells, and we concluded that TAB1 is expressed in anergic and not in naïve CD4⁺ T cells. However, our recent work indicated that this is not correct. After publication of the paper, we generated monoclonal antibodies (MAbs) specific for recombinant human TAB1 protein to confirm the expression of TAB1 in naïve and anergic CD4⁺ T cells. Contrary to our expectations, these MAbs identified an \sim 70-kDa molecule in naïve CD4⁺ T cells at levels similar to those in anergic CD4⁺ T cells. Subsequent experiments have shown that the \sim 70-kDa protein is the TAB1 molecule, because these antibodies detect a molecule of the same size in COS7 cells transfected with the expression vector containing human TAB1 cDNA and not with the control vector and, furthermore, this band is specifically absent in cells lacking the TAB1 gene.

Therefore, the \sim 56-kDa molecule that we identified in anergic CD4⁺ T cells by anti-TAB1 antibody (N-19) was not TAB1. The expression of TAB1 was shown in Fig. 2 of the paper, and we retract these data. We apologize for releasing and misinterpreting the immature data. While we are unable to conclude that the activation of p38 α in anergic CD4⁺ T cells is regulated by up-regulation of TAB1 protein, the main conclusions that anergic CD4⁺ T cells show enhanced p38 mitogen-activated protein kinase activity and that signals involving TAB1 could be a critical regulatory point in maintaining CD4⁺ T-cell anergy by activating p38 remain unchanged.