



Increased expression of $\alpha 4\beta 7$ integrin on food allergen-stimulated CD4+ T cells in active food allergic enterocolitis

<http://www.firstlight.cn> 2005-10-14

We used flow cytometry to investigate the expression of $\alpha 4\beta 7$ integrin on peripheral blood CD4+ T cells stimulated with αs -casein, one of the major allergens in milk allergy, in patients with milk-induced enterocolitis. In the active state of the disease, the levels of $\alpha 4\beta 7$ integrin on αs -casein-stimulated CD4+ T cells, as well as the numbers of positive cells, were higher than in the age-matched control. Upon outgrowing milk allergy, $\alpha 4\beta 7$ integrin levels decreased to the same levels as in the healthy control. The proliferative responses of peripheral blood mononuclear cells to αs -casein in the active state did not differ from those in the outgrown state, suggesting that the expression of $\alpha 4\beta 7$ integrin on milk allergen-activated T cells is a marker of the activation state leading to the pathogenesis of milk-allergic enterocolitis.

[存档文本](#)