Regulation Of The IgE Responses

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Abstract

IgE antibodies are essential mediators of allergic responses. In previous studies we described a unique pathway of differentiation of high affinity IgE antibody producing cells that included a dependence on sequential switching and swift differentiation into plasma cells. We have now generated a new IgE-GFP reporter mouse strain, the CeGFP mice, in which GFP expression marks all cells that carry rearrangements to Ce. After immunization or infection with the parasite *Nippostrongylus brasiliensis*, IgE^+^GFP^+^ germinal center and plasma cells can be readily identified. We will discuss our recent data that provides an explanation for the transient nature of the IgE germinal center cells, and experiments that address memory and long lived plasma cells in the IgE compartment.

Selected Publications


