Legend to Figure 4.

Figure 4. Helminths suppress autoimmunity and allergy via type 2 or regulatory immune response. Immunomodulatory molecules (IMs) of parasites activate innate immune cells that promote either Th2 or Treg responses. IMs that induce TGFβ, IL10 by dendritic cells (DCs) or macrophages (Mθ) prime IL10 or TGFβ-producing Treg cells suppress Th2 responses,Th1 or Th17 responses. A separate set of helminth-derived IMs activate type 2 innate cells, including basophils, M2 macrophages, and type 2 innate lymphoid cells (ILC2) and induce innate IL-4 production, which drives differentiation of Th2 cells. Th2 cells and type 2 innate immune cells can suppress Th1 and Th17 responses (modified from Finlay et al, 2014172).