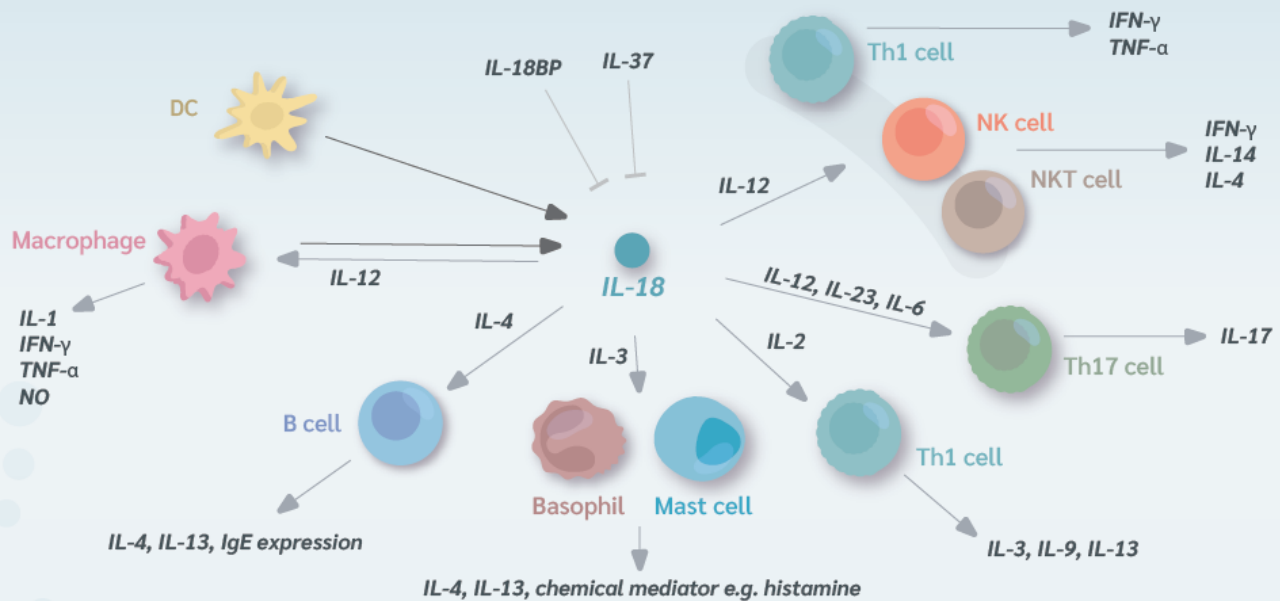


# A LIFESAVER:

## IL-18 OVERCOMES THE LIMITATION OF $\gamma\delta$ T CELLS' SHORT LIFESPAN

### What's IL-18?

The proinflammatory cytokine interleukin-18 (IL-18, also called interferon-gamma inducing factor) is produced by macrophages, dendritic cells, and other cells. This cytokine can induce several cells to produce different cytokines in response to various situations.



### How does IL-18 be used in cell therapy?

Despite the fact that  $\gamma\delta$ T cells have been shown in numerous studies to be efficient against tumor cells, adoptively transferred  $\gamma\delta$ T cells' in vivo survival and proliferation severely restricted the efficacy of  $\gamma\delta$ T cell therapy. Recent findings indicate that IL-18 effectively promotes  $\gamma\delta$ T cell proliferation with significant anticancer potential, and it would have more potent expansion capacities when combined with IL-12.

