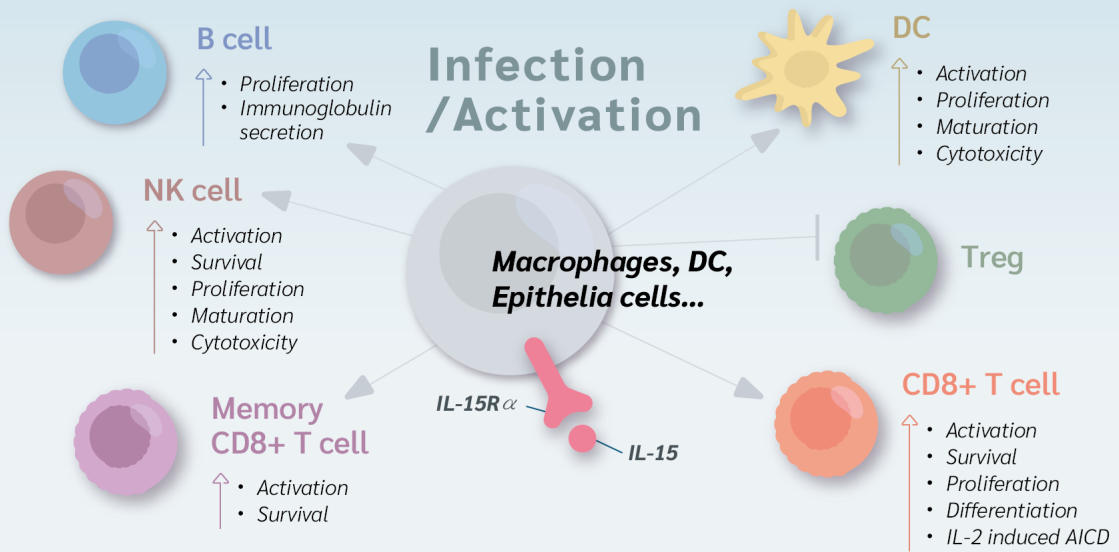


A LIFE SUSTAINER:

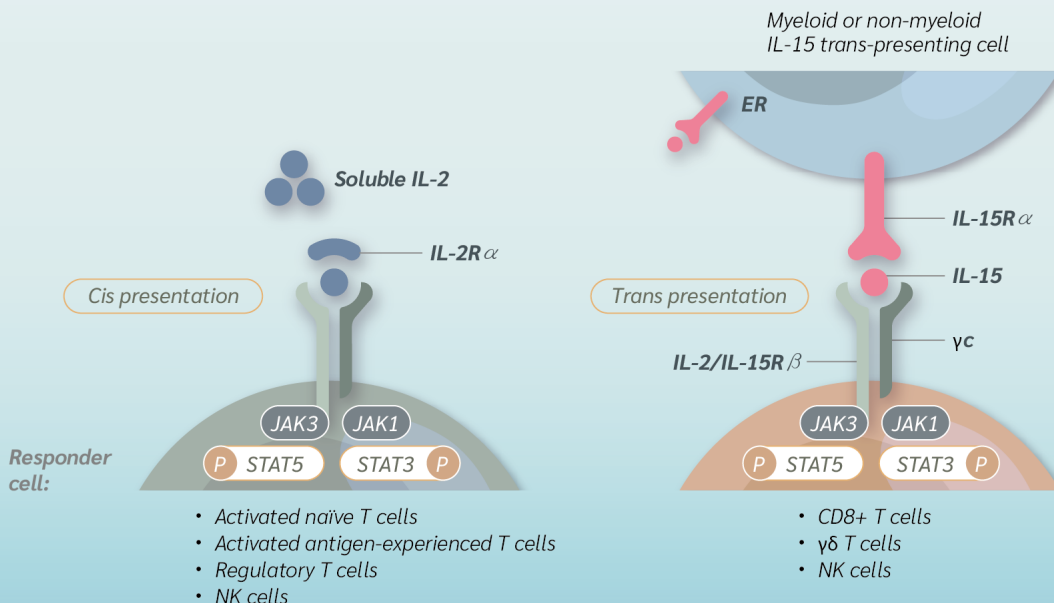
IL-15 INCREASES THE EFFECTIVENESS AND THE LIFESPAN OF THE CELLS

What's the ability of IL-15?



How does IL-15 be presented to the cells?

In contrast to soluble IL-2, upon cells activation, IL-15R α carries IL-15 on the cell surface through trans-presenting, which binds to IL-2/15R β - γ on neighboring effector NK and T cells by forming an immunological synapse, as a membrane-bound heterodimer complex.

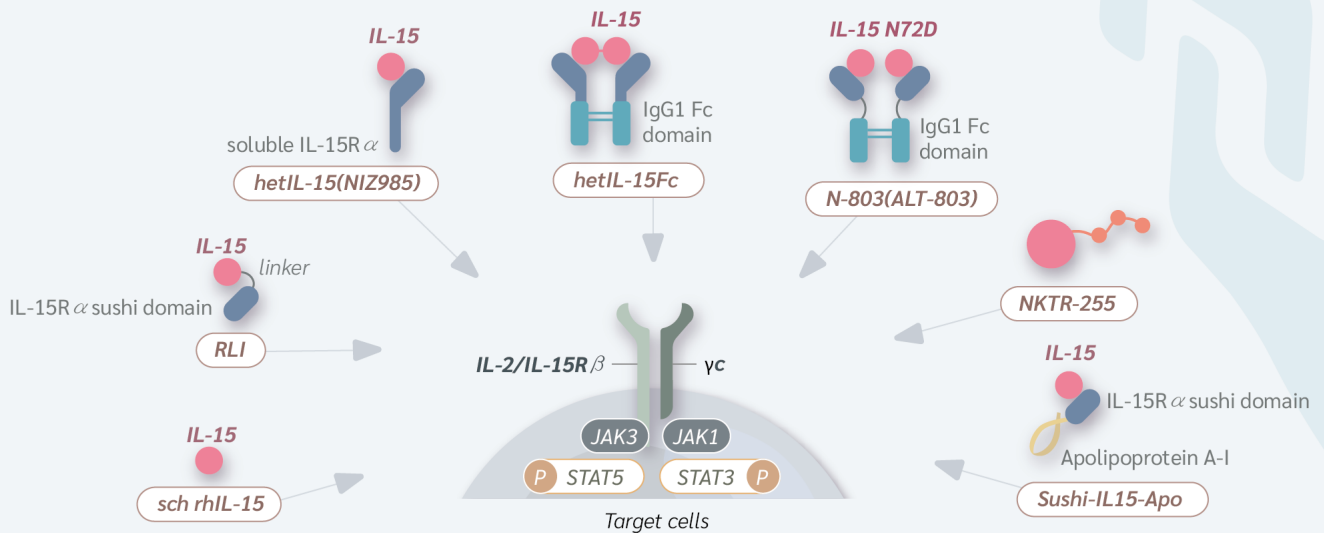


How does IL-15 be used in clinical?

Recent pre-clinical study suggests that the toxicities of IL-15 and IL-2 are different, with IL-15 exhibiting less vascular capillary leak than IL-2. Due to these additional benefits, it appears that IL-15 may be a more potent cytokine for immunotherapy against cancer.

There are multiple studies combining adoptive cell therapy (ACT) with IL-15 and IL-15 derivatives in addition to using IL-15 alone in immunotherapy.

IL-15 Derivatives used in the immunotherapy



IL-15 and engineering immune cells

