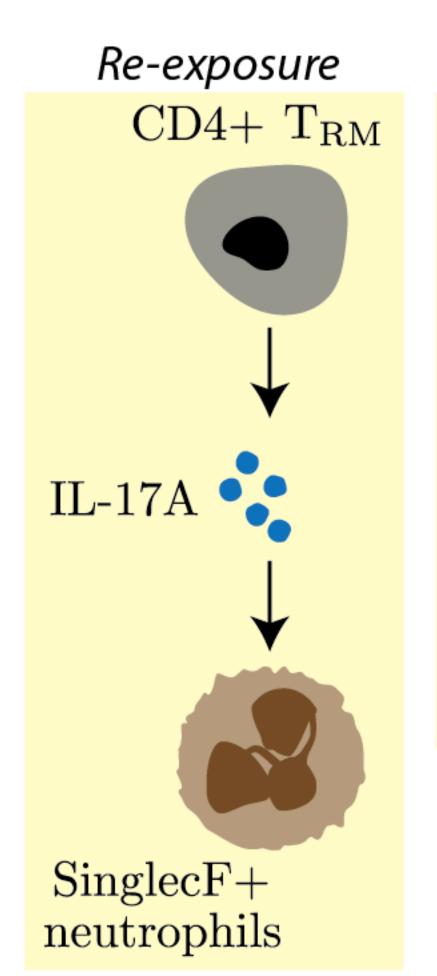
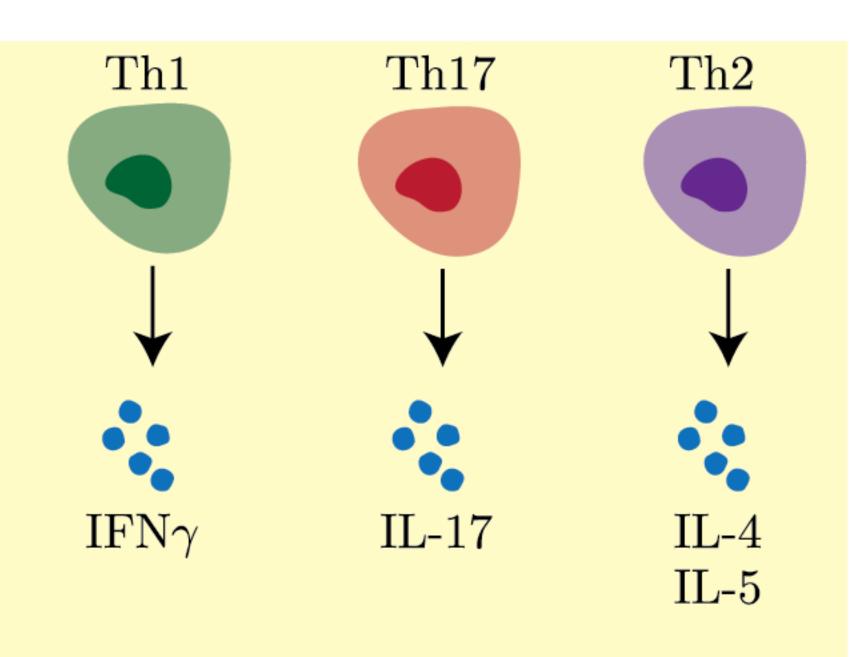


Natural infection



Whole-cell (wP) vaccine





A-cellular (aP)

vaccine |

Upper + lower resperatory tract response

