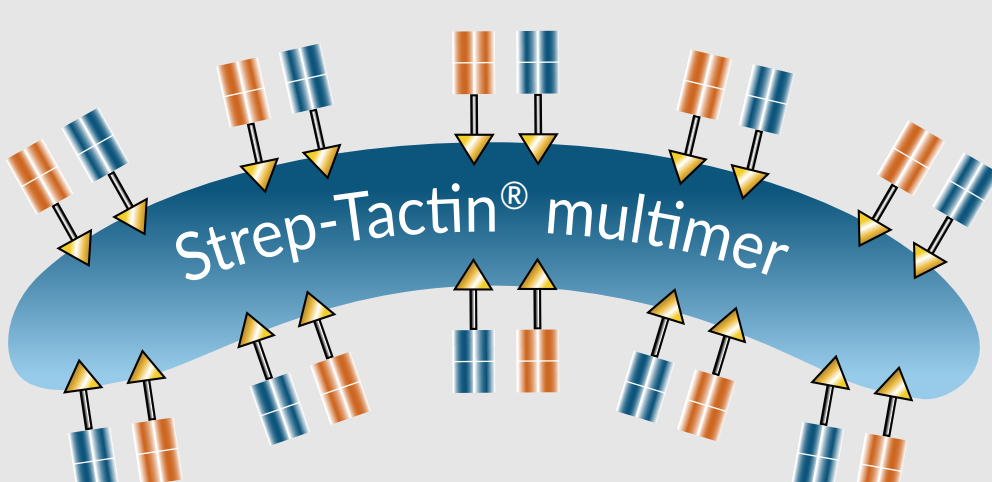


## Stimulation of T cells with Streptamers®

## Streptamer® Kits and reagents needed

### binding of Fab-Streps

CD3 Fab-Strep  
CD28 Fab-Strep



### Streptamer® CD3/CD28 Kit for T cell expansion (cat. no. 6-8900-000)

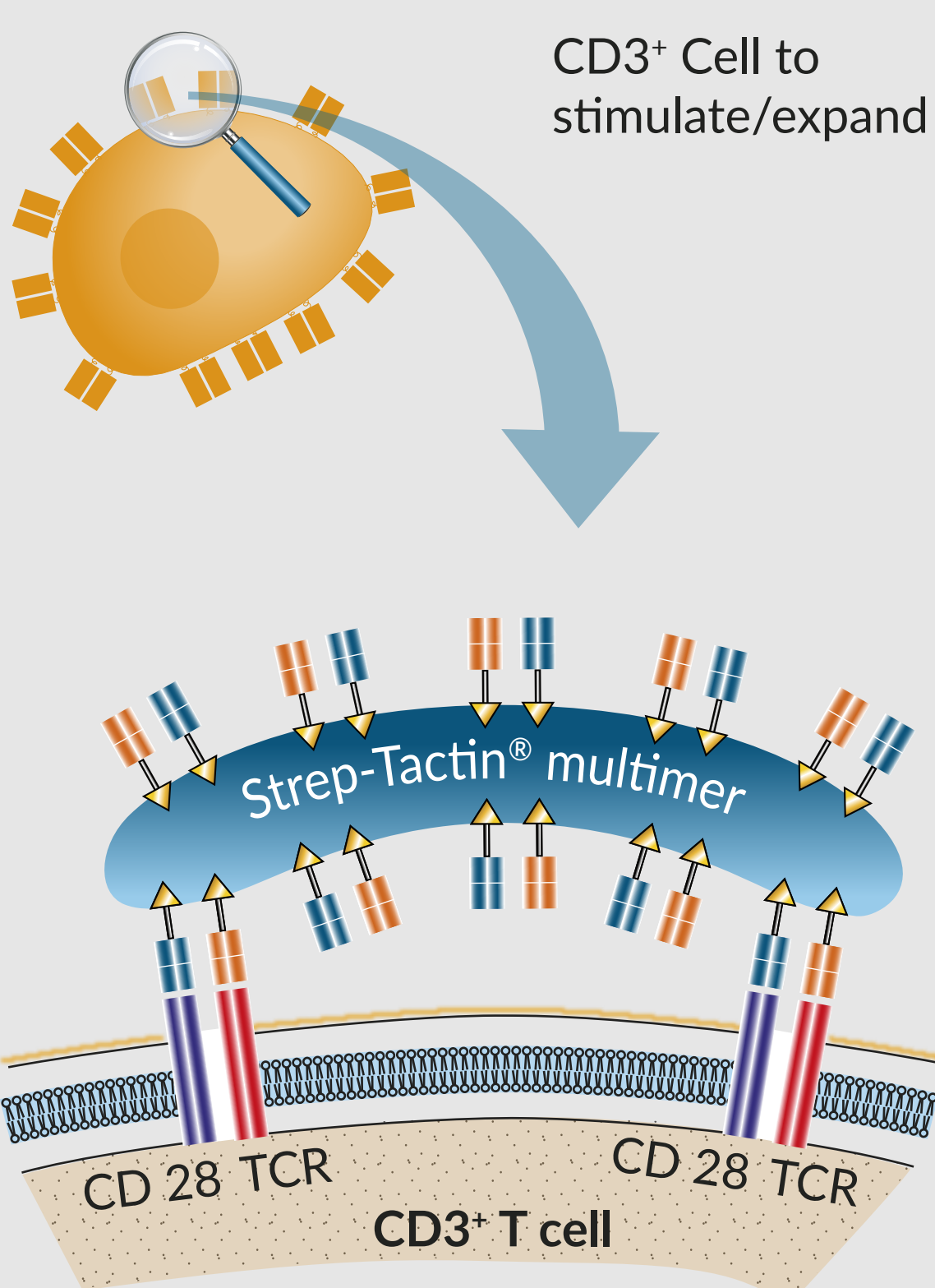
- CD3 Fab-Strep for cell expansion
  - CD28 Fab-Strep for cell expansion
  - Strep-Tactin® multimer for cell expansion
- modify the CD3 : CD28 Fab-Strep ratio according to your needs,

or

### Streptamer® CD3/CD28 premix for T cell expansion (6-8901-000)

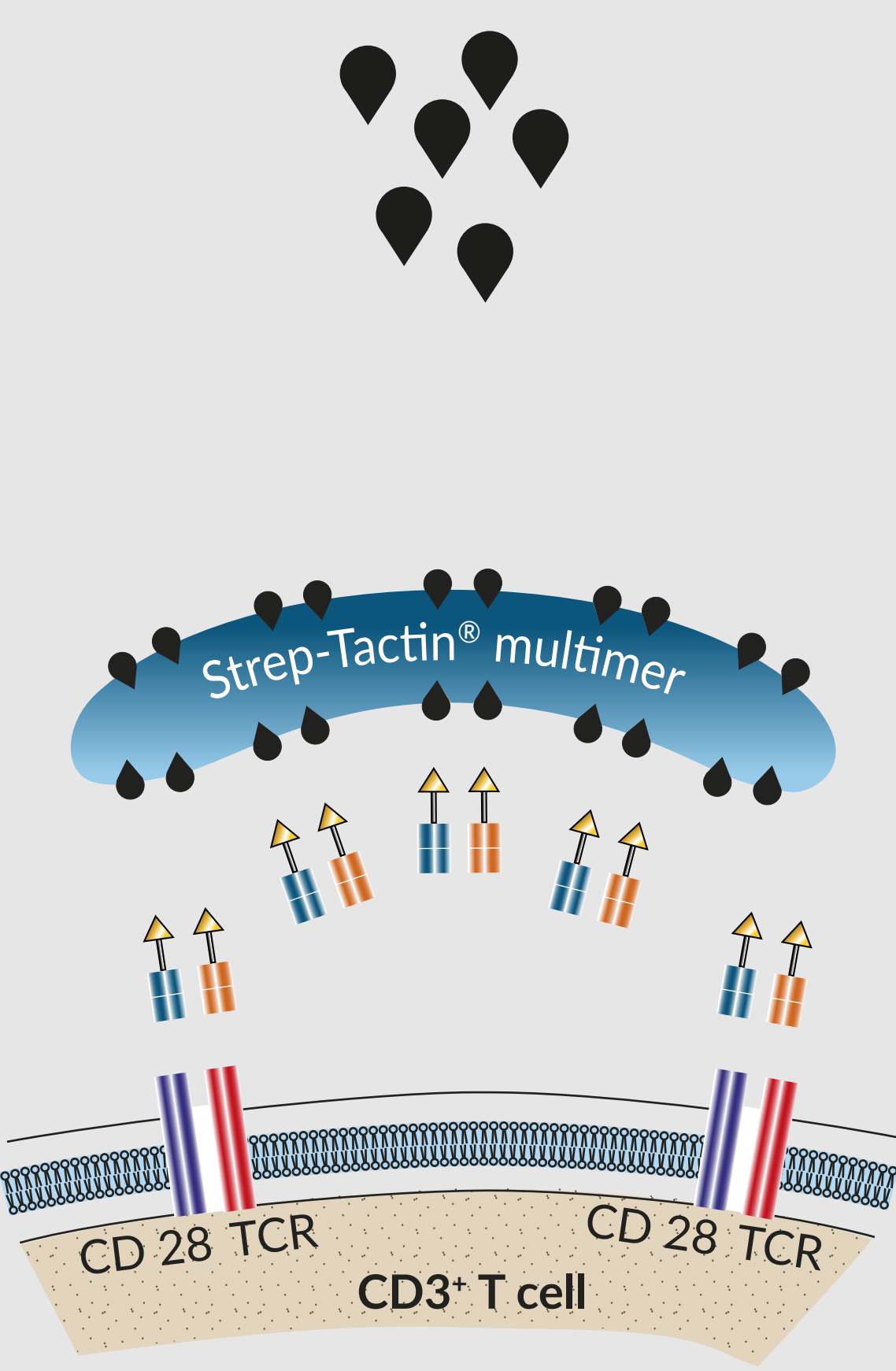
- CD3 and CD28 Fab-Streps and Strep-Tactin® multimer for cell expansion as premix
- ready-to-use

### stimulation of CD3<sup>+</sup> T cell



### termination of stimulation

+ biotin

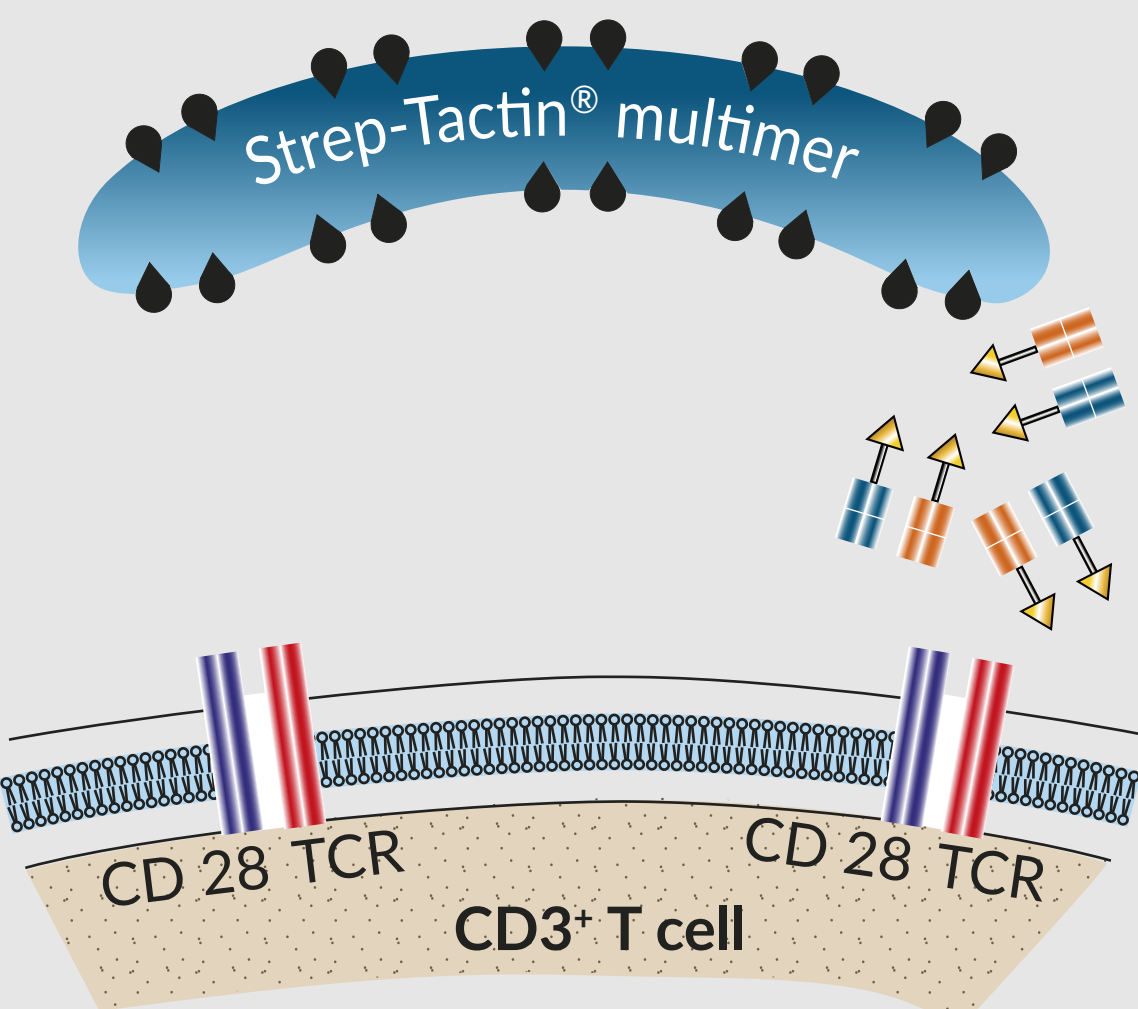


### Biotin stock solution (6-0219-001) for termination of stimulation/expansion

Optional:

**Buffer IS** for dilution of biotin stock solution (6-5602-050)

### dissociation of Streptamers®



Stimulation of T cells with Streptamers® for cell expansion; the subsequent biotin-induced dissociation of the reagents allows an accurately defined termination of stimulation.

The Streptamers® for cell expansion are novel reagents for polyclonal expansion of T cells:

- They are non-magnetic soluble protein complexes generated by multimerization of  $\alpha$ CD3- and  $\alpha$ CD28 Fab-Streps® with a Strep-Tactin® multimer.
- They are completely reversible reagents, i.e. they can be removed from the cells by the addition of biotin.