



Blank artificial cell for surface signal presentation

Artificial cells ready for any biotinylated signals



Catalogue No.

AVI01-0100
AVI02-0100
AVI03-0100
AVI04-0100
AVI05-0100
AVI06-0100
AVI07-0100
AVI08-0100
AVI09-0100
AVI10-0100
AVI11-0100
AVI12-0100

Why use Aim-Core?

Bring your own signals

- ◆ Attach any biotinylated signal of your choice
- ◆ For niche cell types, workflows or even species

Full flexibility, choose your attributes

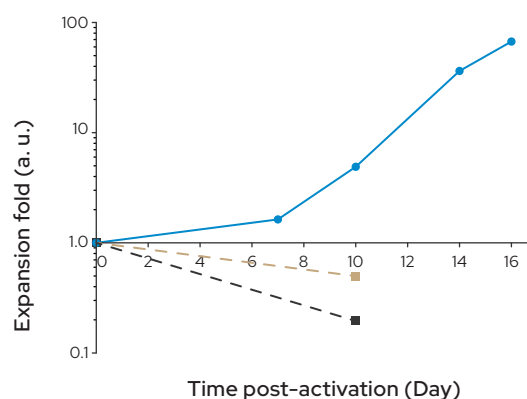
- ◆ Degradability
 - Transient: Degrades in 7-10 days in culture conditions
 - Persistent: >60 days in culture conditions
- ◆ 3 levels of available avidin on the membrane for different signal densities
 - Low: $\sim 4000/\mu\text{m}^2$
 - Medium: $\sim 14500/\mu\text{m}^2$
 - High: $\sim 44000/\mu\text{m}^2$
- ◆ Low or high membrane fluidity

Biomimetic design

- ◆ Fluid lipid membrane mimics natural cells, providing superior signal presentation
- ◆ 100% chemically defined, animal-free formulation
- ◆ Gentler activation for efficiency *and* quality

Example use case - canine T cell activation

Cell proliferation profile



Cell viability post activation

