

Flow-TriCEPS™ Service and Kit

Flow-TriCEPS™ technology is a **tool to perform pretests for your target identification** studies on **the living cells** for drug candidates/ ligands such as peptides, antibodies, ADC's, proteins.

- Identify the **best cell type** to use in your target identification experiment
- Identify the **optimal binding conditions** for binding of your drug candidates/ligands on the living cells
- Identify **co-factors needed for binding** to the cells of your drug candidates
- Perform **functional assays** with Flow-TriCEPS™ coupled drug candidates/ligands

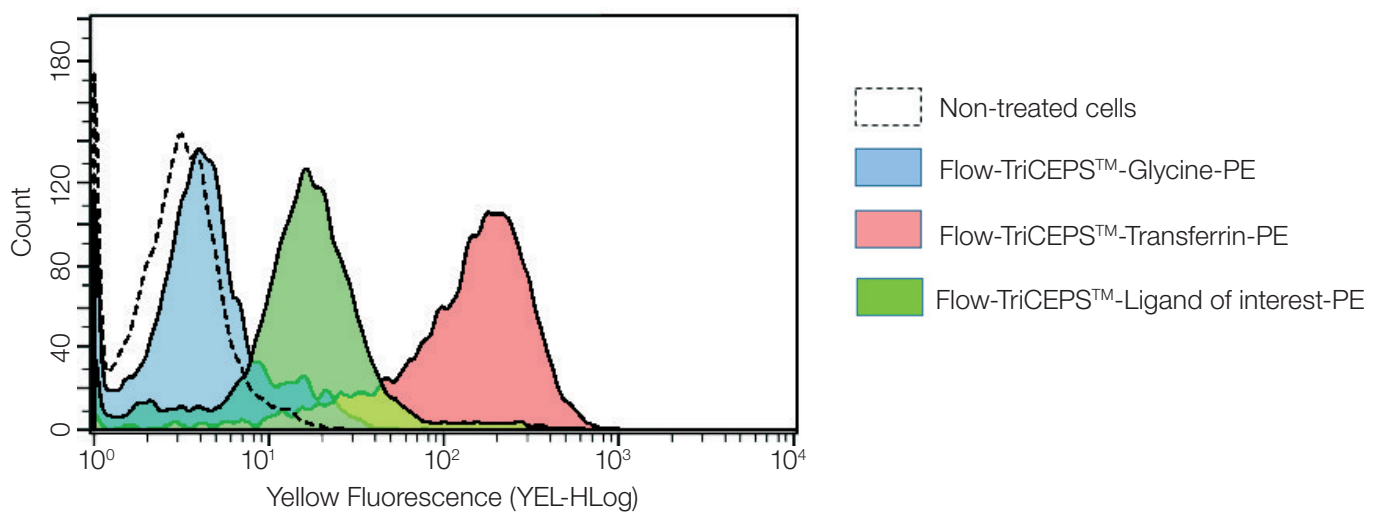
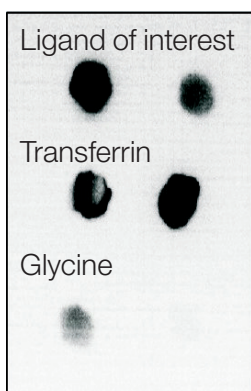


Figure 1: Flow cytometry results using ligands coupled to Flow-TriCEPS™ Version 2.0. The biotin group of the Flow-TriCEPS™ is detected using Streptavidin conjugated with R-Phycoerythrin.

- Which **cell types express the unknown targets** of my ligand / drug candidate?
- What is the **best condition** for ligand incubation (temperature, pH, time)?
- Are there any **co-factors** needed for optimal ligand binding?



Flow Cytometry TriCEPS™ enables direct visualization of the binding of your ligand of interest to its unknown targets without the need of any detection antibodies. Your ligand is coupled to Flow-TriCEPS™ Version 2.0 through its primary amines (N-term and lysines), the ligand binds to its targets on the living cells and the biotin of Flow-TriCEPS™ is detected using a streptavidin fluorophore by **flow cytometry**.

Figure 2: Dot blot to control coupling of Flow-TriCEPS™ to the ligands of interest. Negative control: Flow-TriCEPS™ alone respectively coupled with glycine does not bind to the nitrocellulose membrane.