

General Data

Molecular Mass: ~ 36 kDa (average)

Form: Supplied in 150 mM phosphate buffer pH 7.4 containing < 0.1% sodium azide

Storage: Store in absence of light at +4°C. Do not freeze.

Description

- **Seta-PerCP-680** is a bright and photostable tandem conjugate between PerCP and a NIR-emitting Seta dye.
- Comparable tandems: PerCP–Cy5.5, PerCP–Alexa 680, PerCP–Vio700, PerCP–eFluor 710.

Applications

- Flow Cytometry
- Immunofluorescence

Advantages

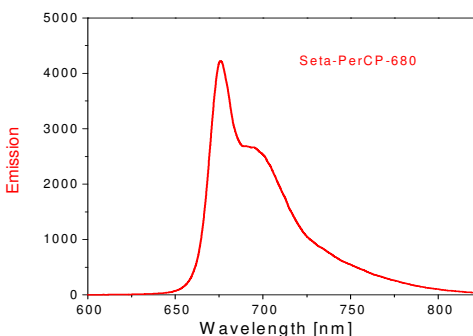
- Perfectly suited for excitation with the 488 nm diode laser.
- High photostability compared to PerCP–Cy5.5 tandem.
- Extremely bright – **Seta-PerCP-680** tandems yield brighter antibody conjugates compared to PerCP–Cy5.5 tandems.
- Low unspecific staining.

Spectral Data

Solvent System: phosphate buffer pH 7.4

Sample	Absorption max. [nm]	Extinction Coefficient at 481 nm [$M^{-1}\cdot cm^{-1}$]	Absorption max. [nm]	Extinction Coefficient at 673 nm [$M^{-1}\cdot cm^{-1}$]	Emission ¹ max. [nm]
Seta-PerCP-680	481	380,000	673	200,000	676

¹ Excitation at 488 nm



Emission spectrum of **Seta-PerCP-680** in phosphate buffer, pH 7.4 (Excitation at 488 nm)

Storage and Guarantee

This product should be stored in absence of light at +4 °C. This product is guaranteed to be stable for 6 months from the date of purchase. Prepare the tandem-stock solution for labeling shortly before use. Do not expose dye solutions for an extended period of time (hours) to light.