

**Product number: K10-7801**  
**Product name: Seta-APC-780**

## General Data

**Molecular Mass:** ~ 111 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-APC-780** is an extremely bright and photostable tandem conjugate between APC and a Seta NIR dye.
- Comparable tandems: APC-H7, APC-Cy7, APC-Alexa 750, APC-C750, APC-eFluor 780.

## Applications

- Flow Cytometry.
- Immunofluorescence.

## Advantages

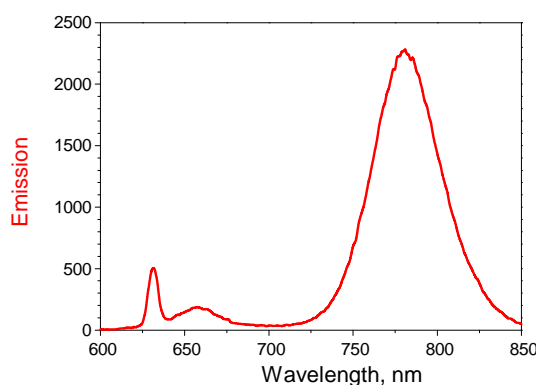
- Perfectly suited for excitation with the 633 nm diode laser.
- High photostability compared to other APC-Cy7 tandems.
- Extremely bright — **Seta-APC-780** tandems yield brighter antibody conjugates compared to APC-Cy7 tandems.
- Low unspecific staining.

## Spectral Data

**Solvent System:** phosphate buffer pH 7.4

Sample	Absorption max. [nm]	Extinction Coefficient at 651 nm [M <sup>-1</sup> cm <sup>-1</sup> ]	Absorption max. [nm]	Extinction Coefficient at 756 nm [M <sup>-1</sup> cm <sup>-1</sup> ]	Emission <sup>1</sup> max. [nm]
<b>Seta-APC-780</b>	651	0.9–1.0×10 <sup>6</sup>	756	1.5–1.8×10 <sup>6</sup>	660, 780

<sup>1</sup> Excitation at 633 nm



Emission spectrum of **Seta-APC-780** in phosphate buffer, pH 7.4 (Excitation at 633 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.