

## Activated RPE-Cy7

**Article number:** KF-YG0806

**specification:** 1mg/10mg

### Product description

PE-Cy7 is a tandem dye belonging to the phycoerythrin-conjugated class. In this type of tandem dye, excitation energy be transferred from PE to Cy7, with a maximum emission wavelength of 785 nm. PE-Cy7 has no spectral overlap with FITC and minimal overlap with APC, it compatible with FITC, PE, and APC. In experiments, it is important to note that PE-Cy7 is highly prone to photobleaching and requires an absolutely light-protected. Activated phycobiliproteins are easily conjugated to antibodies and other proteins without the need for chemical cross-linkers. These highly purified phycobiliproteins maintain their properties after conjugation. Kefan activated phycobiliproteins are treated with succinimidyl 4-(N-maleimidomethyl)cyclohexane-1-carboxylate (SMCC SMCC reacts with lysine groups, allowing the maleimide group to react with the free sulfhydryl groups of the conjugate protein. They are ready-to-use and can undergo conjugation upon with thiol-containing targets without further pretreatment.



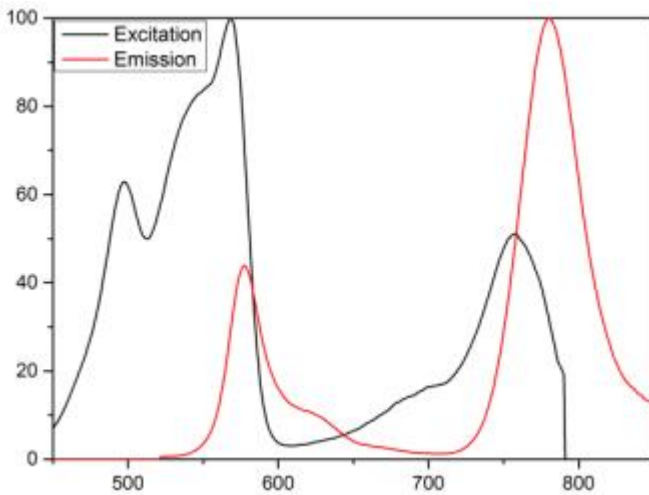
**Product Nature**

Purity:  $A_{max}/A_{280} > 5.0$

Excitation wavelength: 450-500nm

Emission wavelength: 75 nm

Form: Solution



**Transportation and storage**

Storage conditions: Store at 2-8° C, protect from light, do not freeze.

Stability: Can be stored for at least 6 months appropriate conditions.

