

Activated RPE-Cy5

Article number: KF-YG0808

specification: 1mg/10mg

Product description

PE-Cy5 is a tandem dye belonging to the phycoerythrin-conjugated class. In this type of tandem dye, excitation energy be transferred from PE to Cy5, with a maximum emission wavelength of 667 nm. Due to the small spectral overlap between PE-Cy5 and FITC or PE resulting in minimal fluorescence interference, PE-Cy5 is frequently used in combination with FITC and PE in experiments. It should be noted that PE-Cy5 is not suitable for with APC, as the two have a large spectral overlap. Activated phycobiliproteins are easily conjugated to antibodies and other proteins without the need for chemical cross-linkers These highly purified phycobiliproteins maintain their spectral properties after conjugation. Kefan activated phycobiliproteins are treated with succinimidyl 4-(*m*-maleimidomethyl)cyclohexane-1-carboxylate (SMCC). SMCC reacts with lysine groups, making the maleimide group available to react with the free sulfhydryl groups the conjugate protein. They are ready-to-use and can undergo conjugation upon mixing with thiol-containing targets without further pretreatment.



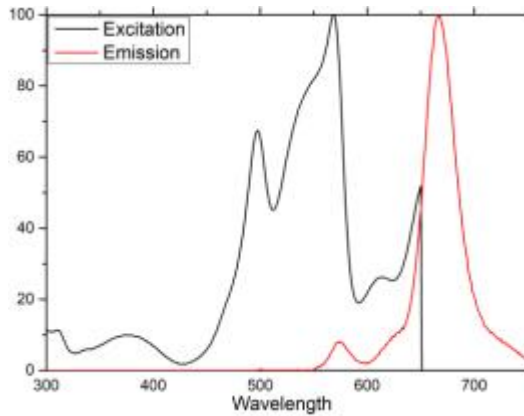
Product Nature

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

Excitation wavelength: 450-550nm

Emission wavelength: 67 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.

