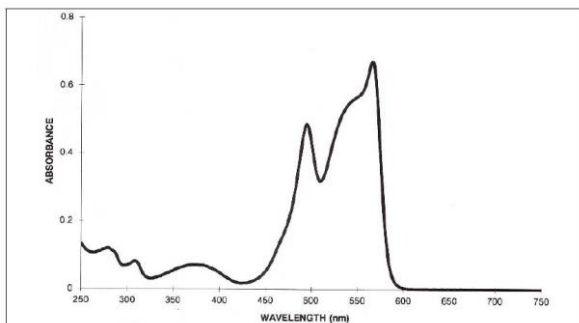


## R-Phycoerythrin (RPE+, red algae)

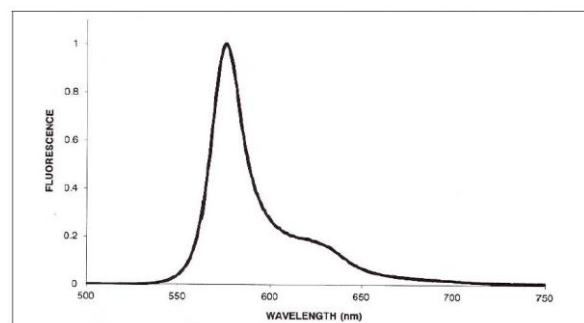
<b>Catalog No:</b>	D-9501
<b>Quantity Size:</b>	5mg, 10mg
<b>Purity:</b>	$A_{566}/A_{280} > 5.60$ ; $A_{566}/A_{496} < 1.5$ ; $A_{620}/A_{566} < 0.005$
<b>FORMULATION:</b>	Protein suspension in 60% ammonium sulfate, 50 mM potassium phosphate, 75 mM NaCl (pH 7.0)
<b>Concentration:</b>	20.0 mg/ml ( $20 \pm 0.5$ mg/ml)
<b>Storage:</b>	Store at 2-8EC in the dark. DO NOT FREEZE.

### Absorbance Spectrum:



Peak locations at 495 and 566 nm

### Fluorescence Emission Spectrum:



Excitation at 490 nm; Emission  $\lambda_{max}$ : 576 nm

### Description

R-Phycoerythrin (RPE+) is a phycobiliprotein isolated from a species of red algae chosen specifically because it yields one of the most highly fluorescent of the RPEs. Like other phycobiliproteins, RPE+ is fluorescent, with an extremely high absorptivity, a high quantum efficiency, a large Stokes shift and excitation and emission bands at visible wavelengths. It is a stable protein which can be easily linked to antibodies and other proteins by conventional protein cross-linking techniques without altering its spectral characteristics.