

Product no **AS08 277****APC | allophycocyanin alpha and beta****Product information**

<b>Immunogen</b>	native allophycocyanin alpha and beta purified from <i>Porphyridium cruentum</i> phycobilisomes
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.
<b>Additional information</b>	This product can be sold containing proclin if requested

**Application information**

<b>Recommended dilution</b>	1 : 200-1 : 500 (IL), 1 : 1500 - 3000 (WB)
<b>Expected   apparent MW</b>	14-19 kDa
<b>Confirmed reactivity</b>	<i>Porphyridium cruentum</i> , <i>Synechocystis</i> PCC 6803
<b>Predicted reactivity</b>	Red Algae, Cyanobacteria Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known
<b>Selected references</b>	<p><a href="#">Ge</a> et al. (2017). Translating Divergent Environmental Stresses into a Common Proteome Response through the Histidine Kinase 33 (Hik33) in a Model Cyanobacterium. <i>Mol Cell Proteomics</i>. 2017 Jul;16(7):1258-1274. doi: 10.1074/mcp.M116.068080.</p> <p><a href="#">Gandini</a> et al. (2017). The transporter SynPAM71 is located in the plasma membrane and thylakoids, and mediates manganese tolerance in <i>Synechocystis</i> PCC6803. <i>New Phytol</i>. 2017 Mar 20. doi: 10.1111/nph.14526.</p> <p><a href="#">Gunnelius</a> et al. (2014). The omega subunit of the RNA polymerase core directs transcription efficiency in cyanobacteria. <i>Nucleic Acids Res</i>. 2014 Jan 29.</p> <p><a href="#">Hernandez-Prieto</a> et al. (2011). The small CAB-like proteins of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803: Their involvement in chlorophyll biogenesis for Photosystem II. <i>Bioch.Bioph. Acta</i>.</p> <p><a href="#">Gantt</a> &amp; Lipschultz (1974). Phycobilisome structure by immuno-electron microscopy. <i>J. Phycology</i>, Vol. 13:3, pages: 185-192. (immunolocalization)</p> <p><a href="#">Gantt</a> &amp; Lipschultz (1974). Phycobilisomes of <i>Porphyridium cruentum</i>: Pigment Analysis. <i>Biochem</i>. 13:2960. <a href="#">Gantt</a> E &amp; <a href="#">C Lipschultz</a> (1977). Probing phycobilisome structure by immuno-electron microscopy. <i>J Phycol</i>. 13:18</p>