**Background**

Allophycocyanin is a protein of the light-harvesting phycobiliprotein family of red algae and cyanobacteria. It is an accessory pigment to chlorophyll A located in the core of the phycobilisome, and its strong spectral overlap with chlorophyll facilitates energy transfer for photosynthesis.

**Immunogen**

Native allophycocyanin alpha and beta purified from *Porphyridium cruentum* phycobilisomes

**Host**

Rabbit

**Clonality**

Polyclonal

**Purity**

Serum

**Format**

Lyophilized

**Quantity**

200 µl

**Reconstitution**

For reconstitution add 200 µl of sterile water.

**Storage**

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

**Tested applications**

Immunolocalization (IL), Western blot (WB)

**Related products**

- AS08 278 | anti-R-PC | R-phycocyanin
- AS08 279 | anti-b-PE | phycoerythrobilin
- AS08 280 | anti-B-PE | phycoerythrobilin and phycourobilin

**Application information**

**Recommended dilution**

1 : 200-1 : 500 (IL), 1 : 1500 - 3000 (WB)

**Expected | apparent MW**

14-19 kDa

**Confirmed reactivity**

*Porphyridium cruentum, Synechocystis PCC 6803*

**Predicted reactivity**

Red Algae, Cyanobacteria

**Not reactive in**

No confirmed exceptions from predicted reactivity are currently known.

**Selected references**