

Allophycocyanin (APC003): sc-53647

BACKGROUND

Allophycocyanin, phycocyanin and phycoerythrin are members of the light-harvesting phycobiliprotein family. Allophycocyanin functions as an accessory pigment to chlorophyll. It is a water soluble protein that cannot exist within the membrane-like carotenoids, but instead aggregates into clusters called phycobilisomes that adhere to the membrane. Allophycocyanin absorbs and emits red light at 650 and 660 nm maximum. It is found abundantly in cyanobacteria (also referred to as blue-green algae) and in red algae. Allophycocyanin is useful as a research tool because of its fluorescent properties and is commonly used in immunoassay kits.

REFERENCES

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SOURCE

Allophycocyanin (APC003) is a mouse monoclonal antibody raised against Allophycocyanin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 100 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Allophycocyanin (APC003) is recommended for detection of Allophycocyanin by flow cytometry (1 μ g per 1 x 10⁶ cells).

Molecular Weight of Allophycocyanin: 105 kDa.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.