Title: Percp type component
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How many peridinin & chlorophyll are in a PerCP complex?
The PerCP complex has a high ratio of peridinin to chlorophyll; most light-harvesting complexes contain more chlorophyll than carotenoids,but the PerCP contains eight peridininand two chlorophyll molecules arranged to promote peridinin-chlorophyll energy transfer. The PerCP complex is a dimer with a molecular weight of approximately 35kDa.

What is PerCP fluorescent labeling?
As the leading commercial form of PCPs,PerCP fluorescent labeling is widely applied in medical research . The commercial PerCP complex has a molecular weight of 35 kDa,a broad excitation spectrum (maximum adsorption: 472-488 nm),and a maximum emission around 676 nm . The absorption and emission spectrum are shown in Fig. 2 c.

What is PerCP used for in research applications?
PerCP is commonly used in research applications such as fluorescence-activated cell sorting (FACS) and flow cytometry. The fluorophore is covalently linked to proteins or antibodies for use in these techniques. Authors: Petrasek Z,Schmitt FJ,Theiss C,Huyer J,Chen M,Larkum A,Eichler HJ,Kemnitz K,Eckert HJ.

What is a PerCP conjugate in Dinophyceae SP?
Jackson ImmunoResearch offers the form found in Dinophyceae sp. It has a broad spectrum of excitation with the main peak at 482 nm,and a long Stokes shift to an emission peak at 677 nm. PerCP conjugates are large complexes suitable for cell surface labeling techniques such as flow cytometry.

Peridinin-Chlorophyll Protein (PerCP) is a red-emitting fluorescent protein originating from dinoflagellates, which are a class of brown microalgae recognized for their distinctive light ...

The PerCP complex has a high ratio of peridinin to chlorophyll; most light-harvesting complexes contain more chlorophyll than carotenoids, but the PerCP contains eight peridinin and two ...

The peridinin-chlorophyll-protein complex (PCP or PerCP) is a soluble molecular complex consisting of the peridinin-chlorophyll a-protein bound to peridinin, chlorophyll, and lipids.

It functions by binding to specific target molecules within cells, allowing researchers to visualize and quantify the presence of these molecules. ...

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Peridinin-Chlorophyll-Protein (PerCP) is a 35.5 kDa fluorescent peridinin-chlorophyll-protein complex isolated from dinoflagellates. Jackson ImmunoResearch offers the form found in ...

It functions by binding to specific target molecules within cells, allowing researchers to visualize and quantify the presence of these molecules. PerCP emits a wavelength of light, which can ...

PerCP (Peridinin-chlorophyll-protein complex) is isolated from Dinophyceae sp. It has an extremely high extinction coefficient, a high quantum ...

Peridinin-Chlorophyll-Protein (PerCP) is a 35.5 kDa fluorescent peridinin-chlorophyll-protein complex isolated from dinoflagellates. Jackson ...

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