

Product datasheet for **AP31677FC-N**

R-Phycoerythrin Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry. Immunohistochemistry.
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Prepared by immunizing New Zealand white Rabbits with highly purified PE and isolating the antibody from Rabbit serum.
Specificity:	This antibody reacts with Phycoerythrin-R (R-PE), a 240 kD fluorescent protein isolated from red algae.
Formulation:	PBS containing 0.02% Sodium Azide as preservative Label: FITC State: Liquid purified Ig fraction
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Database Link:	Q7SIF9



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Background:

Phycoerythrin is one of a series of fluorescent pigments known as phycobiliproteins, which are produced by red and blue green algae. It occurs in more than one form, and has found application in immunology and diagnostic medicine. B and R Phycoerythrins provide superior labeling compared to fluorescein and rhodamine, and are used for labeling antibodies, usually monoclonals. These dyes may also be coupled to enzymes and other proteins, nucleic acids, polypeptide hormones, drugs, etc. Since phycoerythrins absorb light maximally between 450 and 650nm they fill the need for an intense fluorescent dye in the longer wavelengths of the visible spectrum, thereby avoiding interference from naturally fluorescing biological substances. R Phycoerythrin (240 kDa) is a labile molecule that may dissociate into components upon exposure to reducing or denaturing agents.

Synonyms:

rpeB