

## Polyclonal Antibody to R-Phycoerythrin - FITC

<b>Alternate names:</b>	rpeB
<b>Catalog No.:</b>	AP09206FC-N
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1.1 mg/ml (by UV absorbance at 280 nm)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">Q7SIF9</a>
<b>NCBI:</b>	<a href="#">2775</a>
<b>Host / Isotype:</b>	Goat / IgG
<b>Immunogen:</b>	Highly purified R-Phycoerythrin from the seaweed gracila
<b>Format:</b>	<b>State:</b> Lyophilized purified Ig fraction <b>Purification:</b> Immunoaffinity Chromatography <b>Buffer System:</b> 0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 <b>Preservatives:</b> 0.01% (w/v) Sodium Azide <b>Stabilizers:</b> 10 mg/ml BSA (IgG and Protease free) <b>Label:</b> FITC – Fluorescein isothiocyanate (Molecular Weight 390 daltons) <i>Absorption / Emission:</i> 495 nm / 528 nm <i>Molar Ratio:</i> 3.0 moles FITC per mole of Goat IgG <b>Reconstitution:</b> Restore with 1.0 ml of deionized water (or equivalent). For extended storage add glycerol to 50%
<b>Applications:</b>	This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms. Suitable for <b>Immunomicroscopy</b> (1/500-1/2,500) and <b>Flow Cytometry</b> or <b>FACS</b> analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

Antibody Hotline - Technical Questions - Antibody Location Service  
Free Call: 0800-2274746 (Germany only) - [www.acris-antibodies.com](http://www.acris-antibodies.com)



**Specificity:**

This product was prepared from monospecific antiserum by Immunoaffinity Chromatography using a R-Phycoerythrin coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum and R-Phycoerythrin conjugated IgG.

This antibody will cross react with B-Phycoerythrin. Reactivity with other phycobiliproteins is unknown.

**Storage:**

Prior to reconstitution store at 2-8°C.

Following reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

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