

Product datasheet

Anti-R Phycoerythrin/rpeA antibody (FITC) ab34723

1 References

Overview

Product name	Anti-R Phycoerythrin/rpeA antibody (FITC)
Description	Goat polyclonal to R Phycoerythrin/rpeA (FITC)
Host species	Goat
Conjugation	FITC. Ex: 493nm, Em: 528nm
Specificity	This antibody cross reacts with B Phycoerythrin.
Tested applications	Suitable for: Immunomicroscopy, Flow Cyt
Species reactivity	Reacts with: Species independent
Immunogen	Full length native protein (purified) corresponding to R Phycoerythrin/rpeA. Highly purified R Phycoerythrin/rpeA from the seaweed Gracilaria.
General notes	This product was previously labelled as R Phycoerythrin

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 1% BSA, 0.42% Potassium phosphate, 0.87% Sodium chloride
Purity	Immunogen affinity purified
Purification notes	This antibody was prepared from monospecific antiserum by immunoaffinity chromatography using a R Phycoerythrin/rpeA coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab34723** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Immunomicroscopy		Use at an assay dependent concentration. The antibody is also thought to be suitable for other antibody based fluorescent assays.
Flow Cyt		Use at an assay dependent concentration. ab37394 - Goat polyclonal IgG, is suitable for use as an isotype control with this antibody.

Target

Relevance	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.
Cellular localization	Plastid; chloroplast; chloroplast thylakoid lumen. Periphery of the rods of the phycobilisome.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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