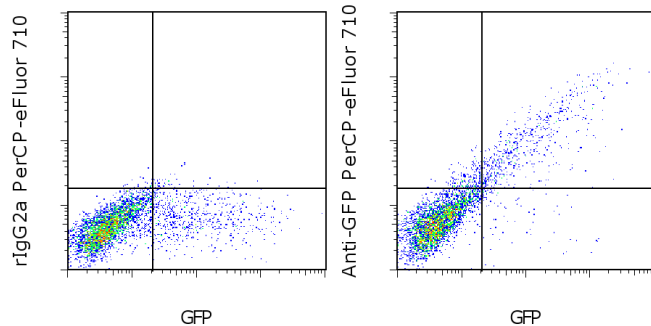


Anti-GFP PerCP-eFluor[®] 710

Catalog Number: 46-6498

Also known as: Green fluorescent protein

RUO: For Research Use Only. Not for use in diagnostic procedures.



Cells transiently transfected with GFP were fixed, permeabilized and then intracellularly stained with Rat IgG2a K Isotype Control PerCP-eFluor[®] 710 (cat. 46-4321) (left) or Anti-GFP PerCP-eFluor[®] 710 (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-GFP PerCP-eFluor[®] 710

Catalog Number: 46-6498

Clone: 5F12.4

Concentration: 5 μ L (0.06 μ g)/test

Host/Isotype: Rat IgG2a, kappa

Formulation: aqueous buffer, 0.09% sodium

azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial



Description

This 5F12.4 monoclonal antibody reacts with green-fluorescent protein (GFP), which was originally isolated from the cnidarian *Aequorea victoria*. This protein absorbs blue light (maximally at 395 nm) and emits green light (peak at 509) without the requirement of exogenous substrates and cofactors. These unique qualities allow GFP to be used to monitor gene expression and protein localization in vivo. Several mutant forms of GFP have been developed which fluoresce more intensely and have shifted excitation maxima when compared to wildtype GFP, making them useful for flow cytometry, fluorescence microscopy, and double-labeling applications. This antibody is capable of staining formaldehyde fixed cells.

Applications Reported

This 5F12.4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 5F12.4 antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of GFP transfected cells. This can be used at 5 μ L (0.06 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

PerCP-eFluor[®] 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor[®] 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor[®] 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Click here or contact eBioscience Technical Support for more information on eFluor[™] Organic Dyes including PerCP-eFluor[®] 710.

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com

Anti-GFP PerCP-eFluor® 710

Catalog Number: 46-6498

Also known as: Green fluorescent protein

RUO: For Research Use Only. Not for use in diagnostic procedures.

References

Cormack B.P., Valdivia R.H., and Falkow S. 1996. FACS-optimized mutants of the green fluorescent protein (GFP). *Gene* 173: 33-38.

Rizzuto R., Brini M., De Giorgi F., Rossi R., Heim R., Tsien R.Y., and Pozzan T. 1996. Double labelling of the subcellular structures with organelle-targeted GFP mutants in vivo. *Curr.Biol.* 6:183-188.

Chalfie M, Tu Y., Euskirchen G., Ward W.W., Prasher D.C. 1994. Green Fluorescent Protein as a Marker for Gene Expression. *Science* 263: 802-805.

Related Products

00-5523 Foxp3 / Transcription Factor Staining Buffer Set

46-4321 Rat IgG2a K Isotype Control PerCP-eFluor® 710 (eBR2a)

88-8823 Fixation & Permeabilization Buffers