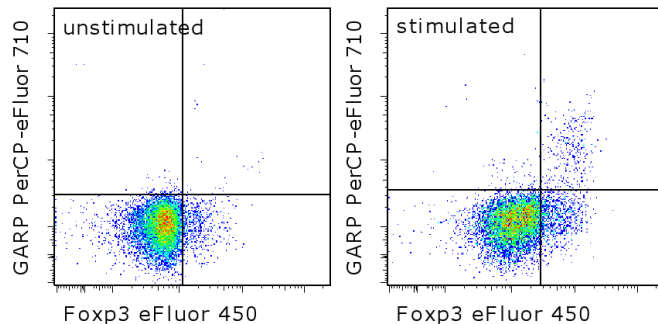


Anti-Human GARP PerCP-eFluor[®] 710

Catalog Number: 46-9882

Also known as: LRRC32, Garpin

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



Normal human peripheral blood cells were unstimulated (left) or stimulated (right) with immobilized Anti-Human CD3 Functional Grade Purified (cat. 16-0037), soluble Anti-Human CD28 Functional Grade Purified (cat. 16-0289), and Human IL-2 Recombinant Protein (cat. 14-8029) for 24 hours. Cells were surface stained with Anti-Human CD4 FITC (cat. 11-0048) and Anti-Human GARP PerCP-eFluor[®] 710. Cells were then fixed and permeabilized with the Fcγ3 Staining Buffers (cat. 00-5521) followed by intracellular staining with Anti-Human Fcγ3 eFluor[®] 450 (cat. 48-4776). CD4⁺ cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human GARP PerCP-eFluor[®] 710



Catalog Number: 46-9882

Clone: G14D9

Concentration: 5 μ L (0.125 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

The G14D9 monoclonal antibody reacts with human Glycoprotein A Repetitions Predominant (GARP, also known as LRRC32 or Garpin). GARP is an approximately 80 kDa glycoprotein that is expressed on the cell surface. Using northern blot, RT-PCR or microarray analyses, the expression of GARP has been reported in placenta, lung, kidney, heart, ovary, liver, skeletal muscle, and pancreas. Protein expression has been observed on megakaryocytes, platelets and activated regulatory T (Treg) cells. The expression of GARP on the surface of activated Treg cells has been reported to be necessary for their suppressive function, possibly related to its role as a cell surface receptor for LAP/TGF beta.

Applications Reported

This G14D9 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This G14D9 antibody has been pre-titrated and tested by flow cytometric analysis of stimulated human peripheral blood cells. This can be used at 5 μ L (0.125 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 10⁵ to 10⁸ 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.

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

References

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Related Products

00-5521 Foxp3 Fixation/Permeabilization Concentrate and Diluent

00-5523 Foxp3 / Transcription Factor Staining Buffer Set

11-0049 Anti-Human CD4 FITC (RPA-T4)

14-8029 Human IL-2 Recombinant Protein

16-0037 Anti-Human CD3 Functional Grade Purified (OKT3)

16-0289 Anti-Human CD28 Functional Grade Purified (CD28.2)

48-4776 Anti-Human Foxp3 eFluor[®] 450 (PCH101)

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