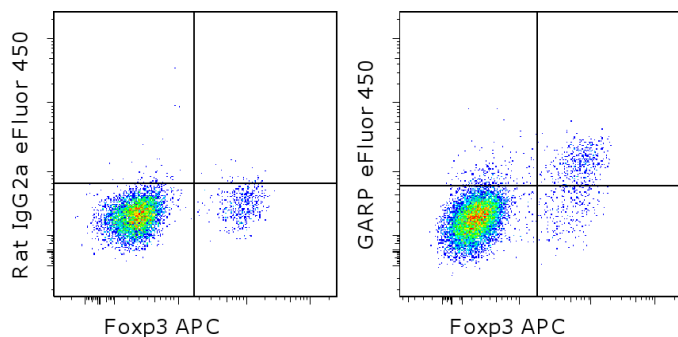


## Anti-Mouse GARP eFluor<sup>®</sup> 450

**Catalog Number:** 48-9891

**Also known as:** Lrrc32, Garpin

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



BALB/c splenocytes were stimulated with Anti-Mouse CD3 Functional Grade Purified (cat. 16-0031), Anti-Mouse CD28 Functional Grade Purified (cat. 16-0281), and Mouse IL-2 Recombinant Protein (cat. 14-8021) for two days. Cells were stained with Anti-Mouse CD4 FITC (cat. 11-0042) and 0.5  $\mu$ g of Rat IgG2a kappa Isotype Control eFluor<sup>®</sup> 450 (cat. 48-4321) (left) or 0.5  $\mu$ g of Anti-Mouse GARP eFluor<sup>®</sup> 450 (right), followed by intracellular staining with Anti-Mouse/Rat Fc $\gamma$ R3 APC (cat. 17-5773) using Fc $\gamma$ R3 Staining Buffers (cat. 00-5523). CD4<sup>+</sup> cells in the lymphocyte gate were used for analysis.

### Product Information



**Contents:** Anti-Mouse GARP eFluor<sup>®</sup> 450

**Catalog Number:** 48-9891

**Clone:** YGIC86

**Concentration:** 0.2 mg/mL

**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 YGIC86 monoclonal antibody reacts with mouse 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 Treg cells has been reported to be necessary for the suppressive function of Treg cells, possibly related to its role as a cell surface receptor for LAP/TGF beta.

When looking for expression of GARP on platelets, it is recommended to use the Fc $\gamma$ R3 Staining Buffer Set (cat. 00-5523) to fix the platelets before staining with this YGIC86 monoclonal antibody. Fixation/permeabilization is not necessary when staining Treg cells.

YGIC86 does not cross-react to rat GARP.

### Applications Reported

This YGIC86 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This YGIC86 antibody has been tested by flow cytometric analysis of stimulated mouse splenocytes. This can be used at less than or equal to 1  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**eFluor<sup>®</sup> 450 is a replacement for Pacific Blue<sup>®</sup>. eFluor<sup>®</sup> 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.**

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### References

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### Related Products

00-5523 Foxp3 / Transcription Factor Staining Buffer Set  
11-0042 Anti-Mouse CD4 FITC (RM4-5)  
14-8021 Mouse IL-2 Recombinant Protein  
16-0031 Anti-Mouse CD3e Functional Grade Purified (145-2C11)  
16-0281 Anti-Mouse CD28 Functional Grade Purified (37.51)  
17-5773 Anti-Mouse/Rat Foxp3 APC (FJK-16s)  
48-4321 Rat IgG2a K Isotype Control eFluor<sup>®</sup> 450 (eBR2a)

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