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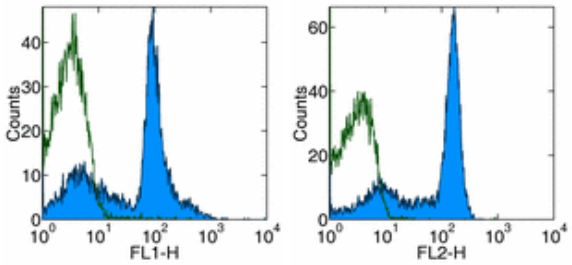
Product Information

Contents: Fluorescein isothiocyanate (FITC) anti-mouse CD45RC
Catalog Number: 11-0456
Sizes: 50 ug, 100 ug, 500 ug
Formulation: Phosphate buffer pH 7.2, 500 mM NaCl, 0.09% NaN_3
Storage Conditions: Store at 4°C.
DO NOT FREEZE.
LIGHT-SENSITIVE MATERIAL.
Clone: GL24
Isotype: Rat IgM, κ



Surface staining of mouse splenocytes with anti-mouse CD45RC (GL24) FITC (left), and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Available Formats of This Product				
Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0456	FITC anti-mouse CD45RC	488	518	FC
12-0456	PE anti-mouse CD45RC	488	575	FC
13-0456	Biotin anti-mouse CD45RC	N/A	N/A	FC
14-0456	Affinity Purified anti-mouse CD45RC	N/A	N/A	FC IP

Description

The GL24 monoclonal antibody reacts with the exon C-dependent isoform of mouse CD45. This CD45 isoform is expressed by peripheral B cells and a population of $CD4^+$ T cells at high levels, on a majority of $CD8^+$ T cells at intermediate levels and by a subpopulation of mouse thymocytes. CD45 is a protein tyrosine phosphatase and serves an important role in leukocyte signal transduction.

Usage

For research use only, not for diagnostic or therapeutic use. The GL24 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The GL24 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 1 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Related Products

Cat. 12-0456 PE anti-mouse CD45RC (clone GL24)
Cat. 13-0456 Biotin anti-mouse CD45RC (clone GL24)
Cat. 14-0456 Affinity Purified anti-mouse CD45RC (clone GL24)
Cat. 11-4341 FITC Rat IgM Isotype Control

References

Hathcock, K. S., G. Laszlo, et al. (1992).Expression of variable exon A-, B-, and C-specific CD45 determinants on peripheral and thymic T cell populations. J Immunol 148(1): 19-28.

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