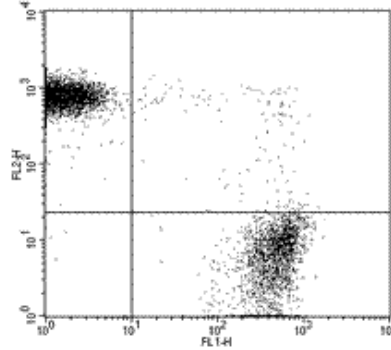


Product Information

Contents: Fluorescein isothiocyanate (FITC) anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)
Catalog Number: 11-0451
Sizes: 50 ug, 100 ug, 500 ug
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN₃
Storage Conditions: Store at 4°C. DO NOT FREEZE.
LIGHT-SENSITIVE MATERIAL.
Clone: 30-F11
Isotype: Rat IgG2b, κ



Total mouse peripheral blood was mixed with mouse splenocyte suspension and stained with FITC anti-mouse CD45 (30-F11) and PE anti-mouse erythrocyte marker (TER-119, cat.no. 12-5921) simultaneously.

Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0451	FITC anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)	488	518	FC
12-0451	PE anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)	488	575	FC
13-0451	Biotin anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)	N/A	N/A	FC
14-0451	Affinity Purified anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)	N/A	N/A	FA FC IHC IP
15-0451	PE-Cy5 anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)	488	670	FC
17-0451	APC anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)	633	660	FC
25-0451	Coming Soon! - Phycoerythrin-Cy7 (PE-Cy7) anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)	488	760	FC
35-0451	PE-Cy5.5 anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)	488	690	FC

Description

The 30-F11 monoclonal antibody reacts with all isoforms of mouse CD45, also known as Leukocyte Common Antigen (LCA). CD45 is expressed by all hematopoietic cells excluding mature erythrocytes and platelets. The cytoplasmic portion of CD45 has tyrosine phosphatase enzymatic activity and plays an important role in activation of lymphocytes.

Usage

For research use only, not for diagnostic or therapeutic use. The 30-F11 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The 30-F11 antibody has been tested by flow cytometric analysis of mouse bone marrow cells and splenocyte suspensions. This can be used at less than or equal to 0.5 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. 12-0451 PE anti-mouse CD45 (Leukocyte Common Antigen, Ly-5) (clone 30-F11)

- Cat. 13-0451 Biotin anti-mouse CD45 (Leukocyte Common Antigen, Ly-5) (clone 30-F11)
- Cat. 14-0451 Affinity Purified anti-mouse CD45 (Leukocyte Common Antigen, Ly-5) (clone 30-F11)
- Cat. 15-0451 PE-Cy5 anti-mouse CD45 (Leukocyte Common Antigen, Ly-5) (clone 30-F11)
- Cat. 17-0451 APC anti-mouse CD45 (Leukocyte Common Antigen, Ly-5) (clone 30-F11)
- Cat. 35-0451 PE-Cy5.5 anti-mouse CD45 (Leukocyte Common Antigen, Ly-5) (clone 30-F11)

References

Ledbetter, J. A. and L. A. Herzenberg (1979). "Xenogeneic monoclonal antibodies to mouse lymphoid differentiation antigens." Immunol Rev 47: 63-90.

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