

## Product Information

Contents: Affinity Purified anti-mouse CD45 (Leukocyte Common Antigen, Ly-5)

Catalog Number: 14-0451

Sizes: 50 ug, 100 ug, 500 ug

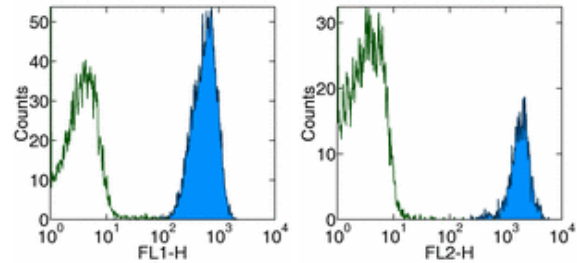
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

Clone: 30-F11

Isotype: Rat IgG2b, κ



Surface staining of mouse splenocytes with anti-mouse CD45 (30-F11) 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
11-0451	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, immunoprecipitation, and immunohistochemical staining. 30-F11 has also been reported in complement-dependent cytotoxicity. (Please use Functional Grade purified 30-F11 in functional assays.)

## 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. 11-0451	FITC anti-mouse CD45 (Leukocyte Common Antigen, Ly-5) (clone 30-F11)
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. 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)
- Cat. 14-4031 Purified Rat IgG2b Isotype Control (clone eB149/10H5)
- Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
- Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
- Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
- Cat. 11-4811 FITC Anti-Rat IgG
- Cat. 13-4813 Biotin Anti-Rat IgG (clone Polyclonal)

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#### References

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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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