

Product Information

Contents: Affinity Purified anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)

Catalog Number: 14-0453

Sizes: 50 ug, 100 ug, 500 ug

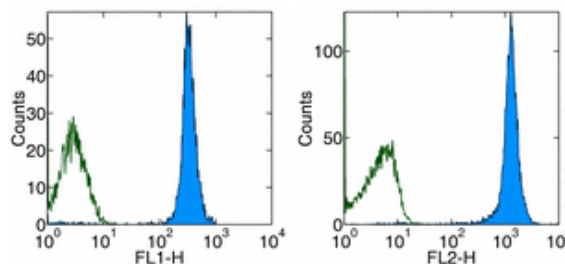
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

Clone: A20

Isotype: Mouse IgG2a, κ



Surface staining of SJL mouse splenocytes with anti-mouse CD45.1 (A20) 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
11-0453	FITC anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	488	518	FC
12-0453	PE anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	488	575	FC
13-0453	Biotin anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	N/A	N/A	FC IH/F
14-0453	Affinity Purified anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	N/A	N/A	FC IH/F IP
15-0453	PE-Cy5 anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	488	670	FC
17-0453	APC anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	633	660	FC
19-0453	Cy5 anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	633	670	FC
25-0453	PE-Cy7 anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	488	760	FC
30-0453	DISCONTINUED - Allophycocyanin-Cy5.5 (APC-Cy5.5) anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	633	690	FC
35-0453	PE-Cy5.5 anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1)	488	690	FC

Description

The A20 monoclonal antibody reacts with the mouse CD45 molecule, the leukocyte common antigen (LCA) in CD45.1-expressing mouse strains. The strains that express CD45.1 include SJL/J, DA, STS/A and RIII. CD45.1 is expressed by all leukocytes in these strains.

Usage

For research use only, not for diagnostic or therapeutic use. The A20 antibody has been reported for use in flow cytometric analysis, immunoprecipitation, and immunohistochemical staining of frozen tissue sections. (Biotinylated A20 is recommended for IHC, cat. 13-0453).

Applications Tested

The A20 antibody has been tested by flow cytometric analysis of mouse 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. 11-0453 FITC anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1) (clone A20)

Cat. 12-0453 PE anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1) (clone A20)

Cat. 13-0453 Biotin anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1) (clone A20)

Cat. 15-0453 PE-Cy5 anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1) (clone A20)
Cat. 17-0453 APC anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1) (clone A20)
Cat. 19-0453 Cy5 anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1) (clone A20)
Cat. 25-0453 PE-Cy7 anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1) (clone A20)
Cat. 35-0453 PE-Cy5.5 anti-mouse CD45.1 (SJL, old Ly5.2, new Ly5.1) (clone A20)
Cat. 11-4011 FITC Anti-Mouse IgG
Cat. 13-4013 Biotin Anti-Mouse IgG (clone Polyclonal)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 14-4724 Affinity Purified Mouse IgG2a, K Isotype Control

References

Shen, F-W. (1981). "Monoclonal antibodies to mouse lymphocyte differentiation alloantigens. In Monoclonal antibodies and T cell Hybridomas; Perspective and technical advances, eds. Hammerling, G.J., U. Hammerling, and J.F. Kearney": 25-31.

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