

Product Information

Contents: Biotin anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)

Catalog Number: 13-0454

Sizes: 50 ug, 100 ug, 500 ug

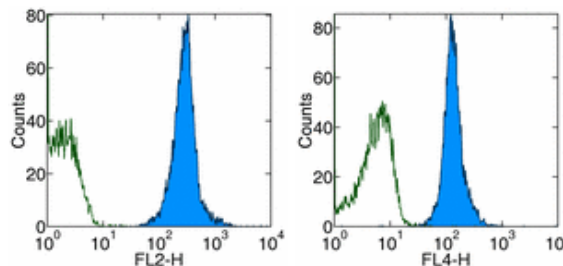
Formulation: Phosphate buffer pH 7.2, 150 mM NaCl, 0.09% NaN₃

Storage Conditions: Store at 4°C.

DO NOT FREEZE.

Clone: 104

Isotype: Mouse IgG2a, κ



Surface staining of BALB/c mouse splenocytes with anti-mouse CD45.2 (104) PE (left), and APC-Cy7 (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
10-0454	APC-Cy7 anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)	633	760	FC
11-0454	FITC anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)	488	518	FC
12-0454	PE anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)	488	575	FC
13-0454	Biotin anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)	N/A	N/A	FC IH/F
14-0454	Affinity Purified anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)	N/A	N/A	FC IH/F IP
17-0454	Allophycocyanin (APC) anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)	633	660	FC
30-0454	APC-Cy5.5 anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)	633	690	FC
35-0454	PE-Cy5.5 anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2)	488	690	FC

Description

The 104 monoclonal antibody reacts with the mouse CD45 molecule, the leukocyte common antigen (LCA) in CD45.2-expressing mouse strains. The strains that express CD45.2 include the most commonly used mouse strains C57BL/6, BALB/c, C58, DBA/1, DBA/2, C3H/He, CBA, 129, A and AKR. CD45.2 is expressed by all leukocytes in these strains.

Usage

For research use only, not for diagnostic or therapeutic use. The 104 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

Applications Tested

The 104 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. 10-0454	APC-Cy7 anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2) (clone 104)
Cat. 11-0454	FITC anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2) (clone 104)
Cat. 12-0454	PE anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2) (clone 104)
Cat. 14-0454	Affinity Purified anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2) (clone 104)
Cat. 17-0454	Allophycocyanin (APC) anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2) (clone 104)

Cat. 30-0454 APC-Cy5.5 anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2) (clone 104)
Cat. 35-0454 PE-Cy5.5 anti-mouse CD45.2 (C57BL/6, Balb/c, old Ly5.1, new Ly5.2) (clone 104)
Cat. 11-4317 Streptavidin-FITC (Fluorescein isothiocyanate)
Cat. 12-4317 Streptavidin-PE (Phycoerythrin)
Cat. 17-4317 Streptavidin Allophycocyanin (SA-APC)
Cat. 13-4724 Biotin 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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