

## Product Information

Contents: Affinity Purified anti-mouse CD45.2

Catalog Number: 14-0454

Sizes: 50 ug, 100 ug, 500 ug

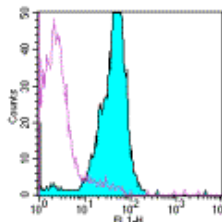
Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>

Storage Conditions: Store at 4°C.

Avoid repeated freeze/thaw cycles.

Clone: 104

Isotype: Mouse IgG2a, κ



*Staining of C57BL/6 splenocytes with 0.25 μg of purified mouse IgG2a isotype control (cat. 14-4724) (open histogram), or 0.25 μg of purified 104 followed by FITC anti-mouse IgG (cat. 11-4011) (closed 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, immunoprecipitation, and immunohistochemical staining of frozen tissue sections. (Biotinylated 104 is recommended for IHC cat. 13-0454).

### Applications Tested

The 104 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions and can be used at less than or equal to 1 μg/million cells. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### Related Products

- 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

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## References

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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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