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# PE/Cyanine5.5 Anti-Mouse CD45.2 Antibody

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| **Catalog Number:** | 202321, 202322 |
| **Size:** | 25 µg, 100 µg |
| **Target Name:** | CD45.2, Ly-5.2, LCA |
| **Regulatory Status:** | RUO |

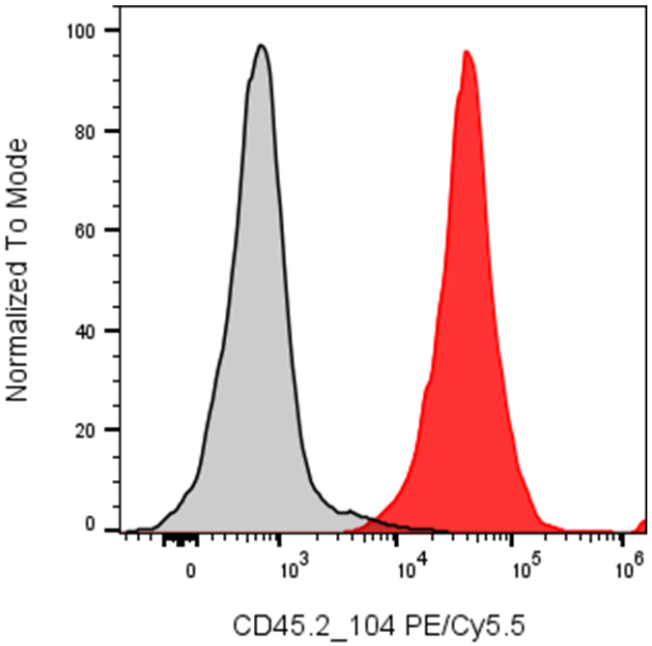
## PRODUCT DETAILS

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| **Clone:** | 104 |
| **Application:** | Flow Cytometry |
| **Reactivity:** | Mouse |
| **Format:** | PE/Cyanine5.5 |
| **Isotype:** | Mouse IgG2a |
| **Antibody Type:** | Monoclonal |
| **Formulation:** | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA |
| **Protein Concentration:** | 0.2 mg/mL |
| **Storage & Handling:** | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze. |
| **Recommended Usage:** | For flow cytometric staining, it is recommended to use less than 0.2 µg of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application. PE/Cyanine5.5 has an excitation max at 565 nm and an emission max at 670 nm. |
| **Excitation Laser:** | Blue Laser (488 nm) Green/Yellow laser (532/561nm) |
| **Isotype Control:** | 301523 |

## BACKGROUND INFORMATION

CD45.2 is a mouse alloantigen variant of CD45, expressed by Ly5.2-bearing mouse strains (e.g., A, AKR, BALB/c, CBA/Ca, CBA/J, C3H/He, C57BL, C57BR, C57L, C58, DBA/1, DBA/2, NZB, SWR, 129). CD45 is a 180–240 kDa receptor-type protein tyrosine phosphatase (PTP) expressed on all hematopoietic cells except mature erythrocytes and platelets. CD45.2 plays a crucial role in immune cell signaling, lymphocyte development, and activation.

## PRODUCT DATA




C57BL/6 Mouse splenocytes were stained with PE/Cyanine5.5 Anti-Mouse CD45.2 clone 104 (color-filled histogram) or an isotype control (gray histogram).

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