

iF488 Anti-Mouse CD45.2 Antibody

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| Catalog Number: | 202303, 202304 |
| Size: | 25 tests, 100 tests |
| Target Name: | CD45.2, Ly-5.2, LCA |
| Regulatory Status: | RUO |

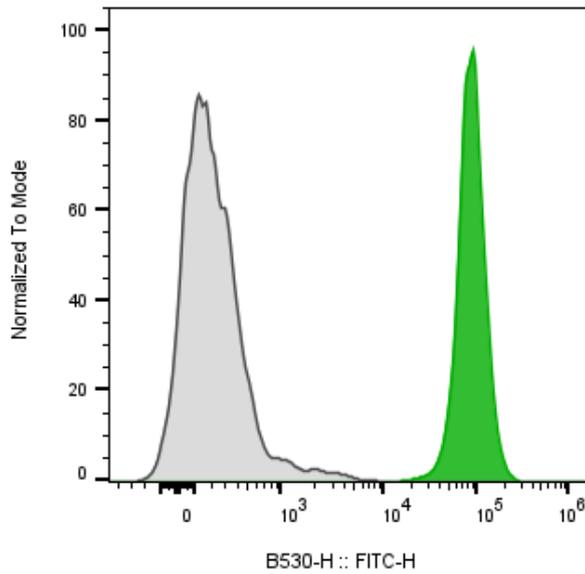
PRODUCT DETAILS

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| Clone: | 104 |
| Application: | Flow Cytometry |
| Reactivity: | Mouse |
| Format: | iF488 |
| 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: | Supplied at a lot-specific concentration. |
| 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 5 µL 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. iF488 has an excitation max at 491 nm and an emission max at 516 nm. |
| Isotype Control: | 301505 |

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



Mouse splenocytes stained with either iF488 Anti-Mouse CD45.2 clone104 (color-filled histogram) or an isotype control (gray histogram).

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