

InnoCyto Inc.

15375 Barranca Pkwy, Suite I-103 Irvine, CA 92618

Technical Data Sheet

iF488 Anti-Mouse CD45.2

Catalog Number: 202303, 202304

Size: 25 tests, 100 tests

Target Name: CD45.2, Ly-5.2, LCA

Regulatory Status: RUO

Product Details

Clone: 104 Application: FC 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 uL of this reagent per 0.5-1.0 million cells in a $100 \ \mu L$ volume. Optimal reagent performance should be determined by titration for each specific application.

Background Information

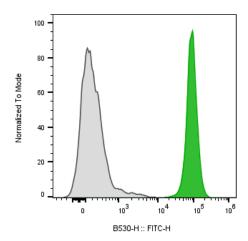
CD45.2 is a mouse alloantigen variant of CD45, expressed by Ly5.2-bearing mouse strains (e.g., A, AKR, BALB/c, CBA/Ca, CBA/J, C3H/He, C57BL, C57BR, C57L, C58, DBA/1, DBA/2, NZB, SWR, 129). CD45 is a 180–240 kDa receptor-type protein tyrosine phosphatase (PTP) expressed on all hematopoietic cells except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

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