

# InnoCyto Inc.

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

## **Technical Data Sheet**

Anti-Mouse CD45

Catalog Number: 202201, 202202

Size: 100 ug, 500 ug

Target Name: CD45, Ly-5, LCA, T200

Regulatory Status: RUO

#### **Product Details**

Clone: 30-F11
Application: FC

Reactivity: Human, Mouse

Format: Purified Isotype: Rat IgG2b

Antibody Type: Monoclonal

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

Protein Concentration: 0.5 mg/mL

Storage&Handling: The antibody solution should be stored between 2°C and 8°C

**Recommended Usage:** For flow cytometric staining, it is recommended to use less than 0.2 ug 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**

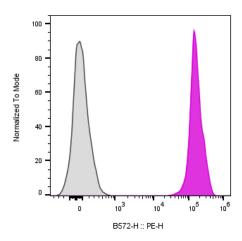
CD45 is a receptor-type protein tyrosine phosphatase expressed on the plasma membrane of all nucleated hematopoietic cells, excluding erythrocytes and platelets. It is a critical signaling molecule regulating immune cell activation, growth, differentiation, cell cycle, and oncogenic transformation. CD45 constitutes a large proportion of lymphocyte surface proteins (~10%) and is essential for T-and B-cell receptor-mediated activation.

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Mouse splenocytes stained with either purified Anti-mouse CD45 clone 30-F11 (color-filled histogram) or an isotype control (gray histogram), followed by secondary PE anti-rat IgG.