

## iF488 Anti-Human CD79b (Ig $\beta$ ) Antibody

|                           |                          |
|---------------------------|--------------------------|
| <b>Catalog Number:</b>    | 111805, 111806           |
| <b>Size:</b>              | 25 tests, 100 tests      |
| <b>Target Name:</b>       | CD76b, Igb, Ig-beta, B29 |
| <b>Regulatory Status:</b> | RUO                      |

### PRODUCT DETAILS

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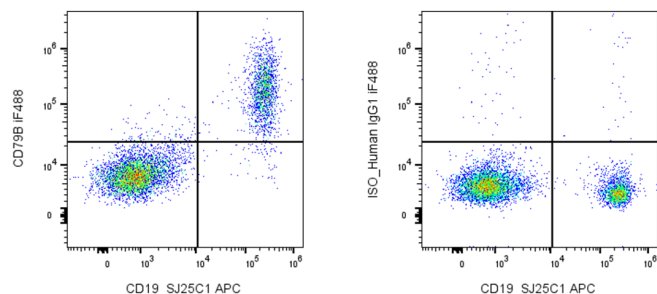
|                               |                                                                                                                                                                                                                                                                                                       |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clone:</b>                 | Polatuzumab                                                                                                                                                                                                                                                                                           |
| <b>Application:</b>           | Flow Cytometry                                                                                                                                                                                                                                                                                        |
| <b>Reactivity:</b>            | Human                                                                                                                                                                                                                                                                                                 |
| <b>Format:</b>                | iF488                                                                                                                                                                                                                                                                                                 |
| <b>Isotype:</b>               | Human IgG1                                                                                                                                                                                                                                                                                            |
| <b>Antibody Type:</b>         | Monoclonal                                                                                                                                                                                                                                                                                            |
| <b>Formulation:</b>           | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA                                                                                                                                                                                                                 |
| <b>Protein Concentration:</b> | Supplied at a lot-specific concentration.                                                                                                                                                                                                                                                             |
| <b>Storage&amp;Handling:</b>  | The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.                                                                                                                                                                  |
| <b>Recommended Usage:</b>     | For flow cytometric staining, it is recommended to use 5 $\mu$ L 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. iF488 has an excitation max at 491 nm and an emission max at 516 nm. |
| <b>Excitation Laser:</b>      | Blue Laser (488 nm)                                                                                                                                                                                                                                                                                   |
| <b>Isotype Control:</b>       | 301203                                                                                                                                                                                                                                                                                                |

### BACKGROUND INFORMATION

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Human CD79B (Ig $\beta$ , B29) is a 36-40 kDa type I transmembrane glycoprotein expressed on B cells. It forms a heterodimer with CD79A to constitute the B-cell receptor complex, mediating antigen-triggered signaling that regulates B-cell development and activation. Containing an extracellular Ig-like domain and a cytoplasmic ITAM, CD79B is essential for BCR signaling. Mutations cause agammaglobulinemia type 6, and it serves as a diagnostic marker and therapeutic target for B-cell lymphomas.

## PRODUCT DATA



Human Peripheral Blood Mononuclear Cells were stained with APC Anti-Human CD19 clone SJ25C1 and iF488 Anti-Human CD79B clone Polatuzumab (left) or isotype (right).

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