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# 30-2754: Anti-Hu CD79b Purified (discontinued)

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| **Clonality :** | Monoclonal |
| **Clone Name :** | CB3-1 |
| **Application :** | FACS |
| **Reactivity :** | Human |
| **Gene :** | CD79B |
| **Gene ID :** | 974 |
| **Uniprot ID :** | P40259 |
| **Format :** | Purified |
| **Alternative Name :** | CD79b molecule BCR beta, Ig-beta, B29, IGB |
| **Immunogen Information :** | Fraction of Ig-associated molecules isolated from Ramos B cells |

## Description

CD79b (Ig beta, B29) forms disulfide-linked heterodimer with CD79a (Ig alpha, MB1). They both are transmembrane proteins with extended cytoplasmic domains containing immunoreceptor tyrosine activation motives (ITAMs), and together with cell surface immunoglobulin they constitute B-cell antigen-specific receptor (BCR). CD79a and b are the first components of BCR that are expressed developmentally. They appear on pro-B cells in association with the endoplasmic reticulum chaperone calnexin. Subsequently, in pre-B cells, CD79 heterodimer is associated with lambda5-VpreB surrogate immunoglobulin and later with antigen-specific surface immunoglobulins. CD79a/b complex interacts with Src-family tyrosine kinase Lyn, which phosphorylates its cytoplasmic ITAM motives to form docking sites for downstream signaling.
Specificity :The mouse monoclonal antibody CB3-1 recognizes an extracellular epitope of CD79b (CD79 beta, Ig beta), an approximately 38 kDa component of B cell receptor (BCR) complex.

## Product Info

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| **Amount :** | 0.1 mg |
| **Purification :** | Purified by protein-A affinity chromatography. |
| **Content :** | Storage Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide |
| **Storage condition :** | Store at 2-8°C. Do not freeze. |

## Application Note

Flow cytometry: Recommended dilution: 1-5 Âµg/ml.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***